



E-mobility and Renewable Energy solutions

E-mobility and Renewable Energy solutions

2025 EDITION



WARNINGS

The characteristics of the products contained in this catalogue are not binding for Cabur and can be changed, without prior notice, due to production requirements or to improve the products. Hence, please contact our technical-commercial network for any necessary confirmations or updates. You can find additional information about this and other Cabur products at our website www.cabur.eu

The Company

Founded in Italy in 1952, Cabur quickly conquered the role of leader amongst the national manufacturers of terminal blocks for electrical panels, always paying particular attention to the needs of installers and to cutting-edge technological solutions.

Today the company develops and manufactures a wide range of products for the electrotechnical and electronic industry which are renowned for their reliability even in extreme conditions of use.

The current production is the result of the many years of experience gained by Cabur as a partner of the main national bodies and companies, perfected through actions and collaborations abroad and includes:

- Connections for electrical panels
- Automation and control solutions
- Industrial marking systems
- E-mobility and Renewable Energy solutions

The wide and diversified offer guarantees a level of flexibility and unique ability to find solutions tailored to specific needs, which enables us to respond to the most varied and complex installation needs.

Always oriented towards the improvement of its products, in recent years Cabur has responded to the Industry 4.0 project with the expansion of production facilities and important product innovations.

In pursuing a corporate culture based on Total Quality, Cabur has adopted the main European directives of the reference market and collaborates with the most prestigious national and foreign Institutes and Laboratories.

Its products are the result of qualitative choices of particular relevance in the field of raw materials used that, in addition to providing an ample guarantee of functionality and reliability over time, also work in full compliance with all the Norms, Regulations, Laws and applicable requirements, binding and self-adopted, with full satisfaction of all compliance obligations.



INDUSTRIAL CONNECTIVITY
SOLUTIONS



AUTOMATION AND CONTROL
SOLUTIONS



INDUSTRIAL MARKING
SOLUTIONS



E-MOBILITY AND RENEWABLE
ENERGY SOLUTIONS



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Move into the future with Cabur E-mobility solutions

Discover
the full range of
EV charging stations
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E - MOBILITY

Cabur Solar Connectors

A range of solutions suitable to implement safe and reliable connections.

CABUR SOLAR LINE 4 CONNECTORS

Cabur Solar Line 4 provides an excellent solution for photovoltaic system connections, ensuring the maximum reliability, high performances and easy installation.



FAST AND EFFECTIVE CONNECTION

In just 3 steps a secure connection can be achieved:

1. Insert the stripped cable into the metal pin and crimp with appropriate pliers.
2. Insert the crimped pin into the plastic shell until the typical "click" is heard.
3. Tighten the cable gland ring nut all the way down, with the help of the IS4SBLOCKN accessory.



TUV CERTIFICATE

All Cabur Solar line 4 connectors are certified with the TUV quality mark.



1500 Vdc

Rated voltage at 1500 Vdc aligned with the most recent photovoltaics panels.



FLAME RESISTANCE

Made of PPE/PA UL94 V-0 material, thanks to which any combustion would stop within 10 seconds.

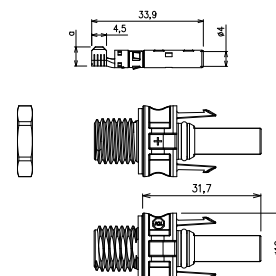
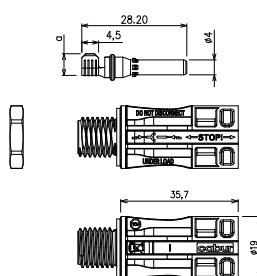


VERSION	CODE TYPE	IS14110N	IS24111N
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KX04PM4060N

KX04PF4060N

SCHEME



TECHNICAL FEATURES

Application	Panel type	Panel type
Connector type	Male	Female
Max. applicable voltage	1500 Vdc	1500 Vdc
Max. applicable current	45 (A) - 4mm ² / 55 (A) - 6mm ²	45 (A) - 4mm ² / 55 (A) - 6mm ²
Cable section	4-6 (mm ²)	4-6 (mm ²)
PIN diameter	4 (mm)	4 (mm)
PIN material	Tinned Copper	Tinned Copper
Insulation material	PPE / PA	PPE / PA
Contact resistance Rc	< 0.25 (mΩ)	< 0.25 (mΩ)
Nut Cap locking force	0.8 - 1.0 (Nm)	0.8 - 1.0 (Nm)
Operating temperature range	-40...+85 (°C)	-40...+85 (°C)
Protection degree	IP68 (1m, 1h)	IP68 (1m, 1h)
Flame class	UL94-V0	UL94-V0
Packaging	100 (10 bag for every box, every single bag contains 10 plastic shell and 10 metallic PIN.)	100 (10 bag for every box, every single bag contains 10 plastic shell and 10 metallic PIN.)

APPROVALS AND MARKINGS

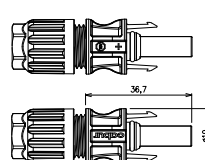
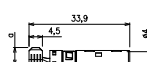
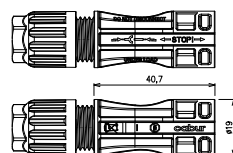
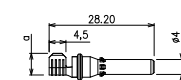


ACCESSORIES

PLIERS TO USE		
Movable matrix	UMCT3149	UMCT3149
Fixed matrix	IS3161N / IS3100N	IS3161N / IS3100N
Matrix to use	IS3154	IS3154
UNLOCKING TOOL		
cod. unlocking tool	IS4SBLOCKN	IS4SBLOCKN
Quantity / Package	2 pieces	2 pieces
CAPS		
Male	IS52400N	IS52400N
Female	IS51400N	IS51400N
Operating temperature range	-40...+85	-40...+85
Protection degree	IP68 (1m, 1h)	IP68 (1m, 1h)
Flame class	UL94-V0	UL94-V0
Quantity / Package	50 pieces	50 pieces
SPARE COMPONENTS		
Plastic shell		
Cod. Shell	ISPAN4MN	ISPAN4FN
Quantity / Package	100 pieces	100 pieces
Metallic PIN wound on reel		
Cod. pin	IS0601207N	IS0601209N
Quantity / Package	2000 pieces	2000 pieces



VERSION	CODE TYPE	IS14240N	IS24241N	IS4FMN
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SEE SCHEMES
IS14240N
IS24241N

SCHEME

TECHNICAL FEATURES

Application	Cable type	Cable type	Cable type
Connector type	Male	Female	Female, Male
Max. applicable voltage	1500 Vdc	1500 Vdc	1500 Vdc
Max. applicable current	45 (A) - 4mm ² / 55 (A) - 6mm ²	45 (A) - 4mm ² / 55 (A) - 6mm ²	45 (A) - 4 mm ² / 55 (A) - 6 mm ²
Cable section	4-6 (mm ²)	4-6 (mm ²)	4-6 (mm ²)
PIN diameter	4 (mm)	4 (mm)	4 (mm)
PIN material	Tinned Copper	Tinned Copper	Tinned Copper
Insulation material	PPE / PA	PPE / PA	PPE / PA
Contact resistance Rc	< 0.25 (mΩ)	< 0.25 (mΩ)	< 0.25 (mΩ)
Nut Cap locking force	1.5 - 1.8 (Nm)	1.5 - 1.8 (Nm)	1.5 - 1.8 (Nm)
Operating temperature range	-40...+85 (°C)	-40...+85 (°C)	-40...+85 (°C)
Protection degree	IP68 (1m, 1h)	IP68 (1m, 1h)	IP68 (1m, 1h)
Flame class	UL94-V0	UL94-V0	UL94-V0
Packaging	100 (10 bag for every box, every single bag contains 10 plastic shell and 10 metallic PIN.)	100 (10 bag for every box, every single bag contains 10 plastic shell and 10 metallic PIN.)	50 (25 bags, every bags contain 2 connectors)

APPROVALS AND MARKINGS



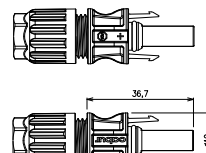
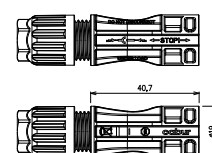
ACCESSORIES

PLIERS TO USE			
Movable matrix	UMCT3149	UMCT3149	UMCT3149
Fixed matrix	IS3161N / IS3100N	IS3161N / IS3100N	IS3161N
Matrix to use	IS3154	IS3154	IS3154
UNLOCKING TOOL			
cod. unlocking tool	IS4SBLOCKN	IS4SBLOCKN	IS4SBLOCKN
Quantity / Package	2 pieces	2 pieces	2 pieces
CAPS			
Male	IS52400N	IS52400N	IS52400N
Female	IS51400N	IS51400N	IS51400N
Operating temperature range	-40...+85	-40...+85	-40...+85
Protection degree	IP68 (1m, 1h)	IP68 (1m, 1h)	IP67
Flame class	UL94-V0	UL94-V0	UL94-V0
Quantity / Package	50 pieces	50 pieces	50 pieces
SPARE COMPONENTS			
Plastic shell			
Cod. Shell	ISVOL4MN	ISVOL4FN	ISVOL4FN, ISVOL4MN
Quantity / Package	100 pieces	100 pieces	1000 pieces
Metallic PIN wound on reel			
Cod. pin	IS0601207N	IS0601209N	IS0601209N, IS0601207N
Quantity / Package	2000 pieces	2000 pieces	2000 pieces



VERSION	CODE TYPE	IS14242N	IS24243N
		KX04VM100N	KX04VF100N

SCHEME



TECHNICAL FEATURES

Application	Cable type	Cable type
Connector type	Male	Female
Max. applicable voltage	1500 Vdc	1500 Vdc
Max. applicable current	60 (A)	60 (A)
Cable section	10 (mm ²)	10 (mm ²)
PIN diameter	4 (mm)	4 (mm)
PIN material	Tinned Copper	Tinned Copper
Insulation material	PPE / PA	PPE / PA
Contact resistance Rc	< 0.25 (mΩ)	< 0.25 (mΩ)
Nut Cap locking force	1.5 - 1.8 (Nm)	1.5 - 1.8 (Nm)
Operating temperature range	-40...+85 (°C)	-40...+85 (°C)
Protection degree	IP68 (1m, 1h)	IP68 (1m, 1h)
Flame class	UL94-V0	UL94-V0
Packaging	100 (10 bag for every box, every single bag contains 10 plastic shell and 10 metallic PIN.)	100 (10 bag for every box, every single bag contains 10 plastic shell and 10 metallic PIN.)

APPROVALS AND MARKINGS



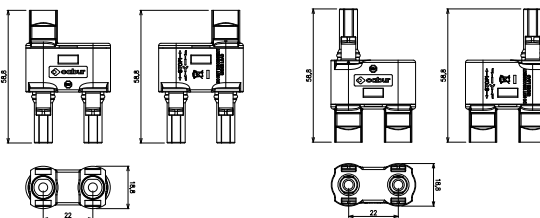
ACCESSORIES

PLIERS TO USE		
Movable matrix	-	-
Fixed matrix	IS3110 / IS3100N	IS3110 / IS3100N
Matrix to use	-	-
UNLOCKING TOOL		
cod. unlocking tool	IS4SBLOCKN	IS4SBLOCKN
Quantity / Package	2 pieces	2 pieces
CAPS		
Male	IS52400N	IS52400N
Female	IS51400N	IS51400N
Operating temperature range	-40...+85	-40...+85
Protection degree	IP68 (1m, 1h)	IP68 (1m, 1h)
Flame class	UL94-V0	UL94-V0
Quantity / Package	50 pieces	50 pieces
SPARE COMPONENTS		
Plastic shell		
Cod. Shell	-	-
Quantity / Package	-	-
Metallic PIN wound on reel		
Cod. pin	-	-
Quantity / Package	-	-



VERSION	CODE TYPE	IS41410N	IS42420N
		KX04MFFN	KX04FMMN

SCHEME



TECHNICAL FEATURES

Application	Y type	Y type
Connector type	Male/ Female - Female	Female / Male - Male
Max. applicable voltage	1500 Vdc	1500 Vdc
Max. applicable current	60 (M) / 30 (F1) + 30 (F2)	60 (F) / 30 (M1) + 30 (M1)
Cable section	-	-
PIN diameter	4 (mm)	4 (mm)
PIN material	Tinned Copper	Tinned Copper
Insulation material	PPE / PA	PPE / PA
Contact resistance Rc	< 0.25 (mΩ)	< 0.25 (mΩ)
Nut Cap locking force	-	-
Operating temperature range	-40...+85 (°C)	-40...+85 (°C)
Protection degree	IP68 (1m, 1h)	IP68 (1m, 1h)
Flame class	UL94-V0	UL94-V0
Packaging	30 (6 bag for every box, every single bag contains 5 Y connectors.)	30 (6 bag for every box, every single bag contains 5 Y connectors.)

APPROVALS AND MARKINGS



ACCESSORIES

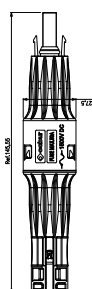
PLIERS TO USE		
Movable matrix	-	-
Fixed matrix	-	-
Matrix to use	-	-
UNLOCKING TOOL		
cod. unlocking tool	IS4SBLOCKN	IS4SBLOCKN
Quantity / Package	2 pieces	2 pieces
CAPS		
Male	IS52400N	IS52400N
Female	IS51400N	IS51400N
Operating temperature range	-40...+85	-40...+85
Protection degree	IP68 (1m, 1h)	IP68 (1m, 1h)
Flame class	UL94-V0	UL94-V0
Quantity / Package	50 pieces	50 pieces
SPARE COMPONENTS		
Plastic shell		
Cod. Shell	-	-
Quantity / Package	-	-
Metallic PIN wound on reel		
Cod. pin	-	-
Quantity / Package	-	-



- (1) product sell without fuse, the customer should select the correct one based on him application.
 (2) Produced upon request; contact our sales office for availability
 (3) Connector suitable for c10x85 and 10/14x85 fuses.

VERSION	CODE TYPE	IS43430N
	KX04FMHN	

SCHEME



TECHNICAL FEATURES

Application	Fuse holder
Connector type	Fuse holder
Max. applicable voltage	1500 Vdc
Max. applicable current	30 (A)
Cable section	-
PIN diameter	4 (mm)
PIN material	Tinned Copper
Insulation material	PPE / PA
Contact resistance Rc	< 0.25 (mΩ)
Nut Cap locking force	
Operating temperature range	-40...+85 (°C)
Protection degree	IP68 (1m, 1h)
Flame class	UL94-V0
Packaging	50 (10 bags for every box, every single bag contains 5 connectors)

APPROVALS AND MARKINGS

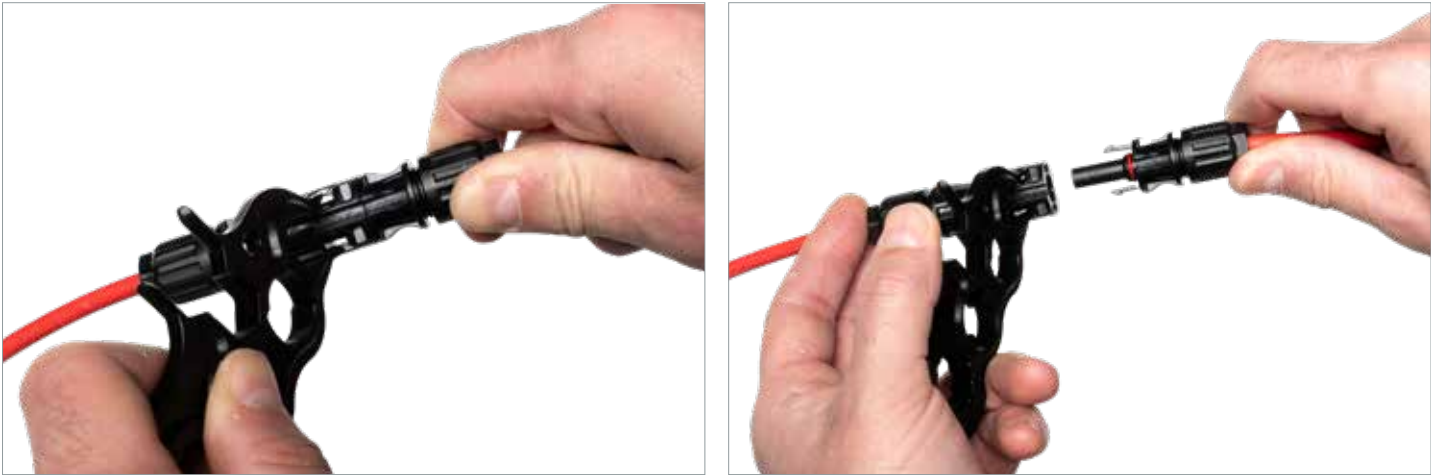


ACCESSORIES	
PLIERS TO USE	
Movable matrix	-
Fixed matrix	-
Matrix to use	-
UNLOCKING TOOL	
cod. unlocking tool	IS4SBLOCKN
Quantity / Package	2 pieces
CAPS	
Male	IS52400N
Female	IS51400N
Operating temperature range	-40...+85
Protection degree	IP68 (1m, 1h)
Flame class	UL94-V0
Quantity / Package	50 pieces
SPARE COMPONENTS	
Plastic shell	
Cod. Shell	-
Quantity / Package	-
Metallic PIN wound on reel	
Cod. pin	-
Quantity / Package	-



VERSION	CODE TYPE	IS4SBLOCKN	IS51400N	IS52400N
Description		Unlocking tool for photovoltaic connectors Cabur line 4	Caps for Cabur line 4 female connectors	Caps for Cabur line 4 male connectors
Colour		Black	Black	Black
Material		PPO	EPDM	EPDM
Flame class		-	UL94-V0	UL94-V0
Operating temperature range		-	-40... +85°C	-40... +85°C
Protection degree		-	IP68 (1m, 1h)	IP68 (1m, 1h)
Quantity / Package		2 pieces	50 pieces	50 ieeces

HOW TO USE THE IS4SBLOCKN UNLOCKING TOOL



- Pliers with fixed or exchangeable inserts
- Suitable for Cabur Solar Connectors, ferrules, ring and spade
- Stripping pliers in pocket version for a rapid and easy operation

To ensure the guarantee's effectiveness, the use of Cabur Solar tools, in conformance with the standards and instructions found in Cabur official documentation, is an essential requirement



VERSION	CODE TYPE	IS31579002	IS3170	IS3161N
		KXCSLSPE	IS3170	KXCRI2506N
Description		Cabur Solar cable stripper	Cabur Solar pocket cable stripper	Crimping tool for Cabur Solar connectors with 4-6mm² fixed matrix
Quantity / Package	pcs	1	1	1
ACCESSORIES				
Replacement blade		-	IS3170L	-
Insert	Line 4 Cabur Solar Connectors (4-6 mm² section)	-	-	-
	Ferrules for cable section 0.2 - 10 mm²	-	-	-
	Ferrules for cable section 16 - 25 mm²	-	-	-
	Ferrules for cable section 35 - 50 mm²	-	-	-
	Ring and spade for cable section 1.5 - 2.5 mm²	-	-	-
	Ring and spade for cable section 4 - 6 mm²	-	-	-
Quantity / Package	pcs	-	-	-

(1) available June 2025



VERSION	CODE TYPE	IS3100N (1)	UMCT3149	IS3110
		KXCRI2510N	UMCT	KXCRI10
Description		Crimping tool for Cabur Solar connectors with 4 - 6 - 10 mm² fixed matrix	Pliers without crimping die	Crimping tool for Cabur Solar connectors with 10mm² fixed matrix
Quantity / Package	pcs	1	1	1
ACCESSORIES				
Replacement blade		-	-	-
Insert	Line 4 Cabur Solar Connectors (4-6 mm² section)	-	IS3154	-
	Ferrules for cable section 0.2 - 10 mm²	-	UMCT3127	-
	Ferrules for cable section 16 - 25 mm²	-	UMCT3153	-
	Ferrules for cable section 35 - 50 mm²	-	UMCT3154	-
	Ring and spade for cable section 1.5 - 2.5 mm²	-	UMCT3129	-
	Ring and spade for cable section 4 - 6 mm²	-	UMCT3128	-
Quantity / Package	pcs	-	1	-

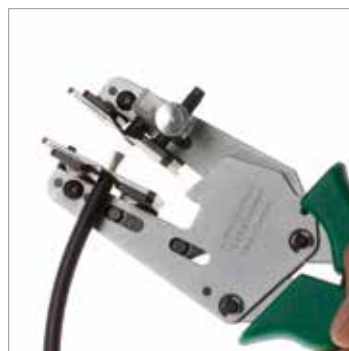
HOW TO STRIP WIRE USING IS31579002



1 The wire stripper works like a guillotine, suitable for wires of various thicknesses, allowing for fast and safe stripping.

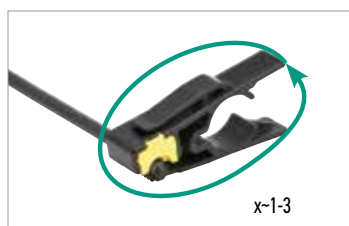
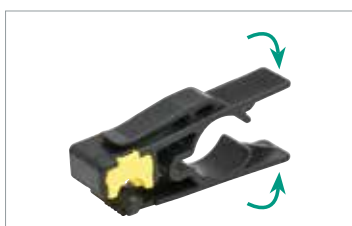


2 It acts simultaneously on both the sleeves of the photovoltaic wire, cutting them precisely.



3 The blades move parallel to the wire, expelling the sheared off sleeve.

STRIPPING WITH IS3170



This wire stripper is able to strip wires with sections of 2.5, 4, 6 and 10 mm². It is fitted with an end stop and allows for a stripped constant length of approx. 8 mm, compliant with the requirements of our PINS. The blade can be replaced.

- To strip wires with a 2.5 mm² section, the blade must make a complete turn around the external perimeter of the wire.
- To strip wires with a 4 mm² section, the blade must make two complete turns around the external perimeter of the wire.
- To strip wires with a 6 mm² section, the blade must make three complete turns around the external perimeter of the wire.

In order to preserve the number of strands, the blade should not be turned more times than those indicated in the recommendations above for each wire section.

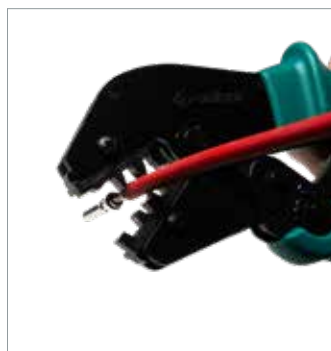
HOW TO CRIMP



1. Open the clamp completely; to do this first you have to close it completely and press until the two levers are released.



2. Use the specific position of the matrix to crimp the pin on the stripped cable (4/6 mm² is the middle one).



3. Press the two levers of the clamp until complete tightening. The two fins of the pin should wrap around the cable in order to obtain a perfect crimping.

The same procedure applies to IS3110, IS3161N, IS3100N and UMCT3149 tools.

HOW TO CHANGE THE UMCT CRIMPER MATRIX



- Open the mouth clamp to the maximum



- Slowly bring the two levers of the clamp by making three clicks on the lock/unlock mechanism;
- Observe the holding pin on the matrix;



- Insert the die with the holding pin seal towards the inside of the clamp compartment;



- Ensure that the plastic notch has clamped the die or has risen.
- Press the two levers of the collet to the maximum closure.



- Release the handles. The clamp will reopen automatically.



- If, when closing the pliers, you notice that the crimping has been done badly or the pliers remain blocked for any reason, the pliers can be disarmed by alternately pressing and releasing the handles and simultaneously operating the release lever located on the inside of the handle with your thumb.

Stringboxes and related Components

To connect solar strings and distribute power in small, medium and large size photovoltaic systems.

SERIES	DC									AC							CODE	PAGE
	SURGE PROTECTIVE DEVICE	CIRCUIT BREAKER	THERMAL MAGNETIC SWITCH	FUSE HOLDERS	RELEASE COIL	STRING CURRENT (A)	N° INPUT STRINGS	N° OF MPPT OUTPUTS	STRING VOLTAGE (V)	SURGE PROTECTIVE DEVICE	THERMAL MAGNETIC SWITCH	DIFFERENTIAL SWITCH	INPUT VOLTAGE (V)	THERMAL MAGNETIC INPUT CURRENT (A)	RESIDUAL CURRENT SENSIBILITY (mA)	RESIDUAL CURRENT CLASS		
ISL	X	X	-	-	-	20	1	1	600	X	X	X	230	16	300	A	ISL0101CA06	21
ISL	X	X	-	-	-	20	1	1	1000	X	X	X	230	16	300	A	ISL0101CA10	21
ISL	X	X	-	-	-	10x2	2	1	600	X	X	X	230	32	300	A	ISL0201CA06	22
ISL	X	X	-	-	-	10x2	2	1	1000	X	X	X	230	32	300	A	ISL0201CA10	22
ISL	X	X	-	-	-	10	2	2	600	X	X	X	230	32	300	A	ISL0202CA06	23
ISL	X	X	-	-	-	10	2	2	1000	X	X	X	230	32	300	A	ISL0202CA10	23
ISL	X	X	-	-	-	10	2	2	600	X	X	X	230	32	300	A	ISL0202CX06	24
ISL	X	X	-	-	-	20	1	1	1000	X	X	X	230	25	300	A	ISL11MSNA03251	24
ISL	X	X	-	-	-	16	2	2	600	X	X	X	230	32	300	A	ISL22MSNA03326	27
ISL	X	X	-	-	-	16	2	2	1000	X	X	X	230	32	300	A	ISL22MSNA03321	27
ISL	X	-	-	-	-	20	1	1	600	X	X	X	230	16	300	A	ISL0101NS06	25
ISL	X	-	-	-	-	20	1	1	1000	X	X	X	230	16	300	A	ISL11MNA03161	25
ISL	X	-	-	-	-	10x2	2	1	1000	X	X	X	230	32	300	A	ISL21MNA03321	26
ISL	X	-	-	-	-	10	2	2	600	X	X	X	230	32	300	A	ISL0202NS06	26
ISL	X	X	-	-	-	10x2	2	1	600	X	X	X	400	16	300	A	ISL02T01CA06	28
ISL	X	X	-	-	-	10x2	2	1	1000	X	X	X	400	16	300	A	ISL02T01CA10	28
ISL	X	X	-	-	-	10	2	2	600	X	X	X	400	16	300	A	ISL02T02CA06	29
ISL	X	X	-	-	-	10	2	2	1000	X	X	X	400	16	300	A	ISL02T02CA10	29
ISL	X	X	-	-	-	10	2	2	1000	X	X	X	400	16	300	A	ISL02T02CX06	30
ISL	X	-	-	-	-	10x2	2	1	1000	X	X	X	400	16	300	A	ISL02T01NS10	31
ISL	X	-	-	-	-	10	2	2	600	X	X	X	400	16	300	A	ISL02T02NS06	31
ISL	X	X	-	-	-	10	2	2	1000	X	X	X	400	32	300	A	ISL22TSNA03321	31
ISS	-	-	-	-	-	-	-	-	-	X	X	X	230	16	300	A	ISS00MNA03160	30
ISS	-	-	-	-	-	-	-	-	-	X	X	X	230	32	300	A	ISS00MNA03320	34
ISB	X	X	-	-	-	16	1	1	1000	-	-	-	-	-	-	-	ISB0101CA10	37
ISB	X	X	-	-	-	12,5x2	2	1	600	-	-	-	-	-	-	-	ISB0201CA06	38
ISB	X	X	-	-	-	12,5x2	2	1	1000	-	-	-	-	-	-	-	ISB0201CA10	38
ISB	X	X	-	-	-	16	2	2	1000	-	-	-	-	-	-	-	ISB0202CA10	39
ISB	X	X	-	-	-	12,5x2	4	2	600	-	-	-	-	-	-	-	ISB0402CA06	40
ISB	X	X	-	-	-	12,5x2	4	2	1000	-	-	-	-	-	-	-	ISB0402CA10	40
ISB	X	X	-	X	-	16	1	1	1000	-	-	-	-	-	-	-	ISB11CSSN00001	37
ISB	X	X	-	X	-	16	2	2	1000	-	-	-	-	-	-	-	ISB22CSSN00001	39
ISB	X	-	X	-	-	14	1	1	1000	-	-	-	-	-	-	-	ISB11CANN00001	41
ISB	X	-	X	-	-	16x2	2	1	1000	-	-	-	-	-	-	-	ISB21CANN00001	41
ISB	X	-	X	-	-	14	2	2	1000	-	-	-	-	-	-	-	ISB22CANN00001	41
ISB	X	-	X	X	-	16x3	3	1	1000	-	-	-	-	-	-	-	ISB31CASN00001	42
ISB	X	-	X	X	-	12x4	4	1	1000	-	-	-	-	-	-	-	ISB41CASN00001	42
ISB	X	-	X	-	-	14x2	4	2	1000	-	-	-	-	-	-	-	ISB42CANN00001	42
ISA	X	X	-	-	X	10x2	2	1	600	-	-	-	-	-	-	-	ISA0201CA06	45
ISA	X	X	-	-	X	10x2	2	1	1000	-	-	-	-	-	-	-	ISA0201CA10	45
ISA	X	X	-	-	X	12,5x2	4	2	600	-	-	-	-	-	-	-	ISA0402CA06	46
ISA	X	X	-	-	X	12,5x2	4	2	1000	-	-	-	-	-	-	-	ISA0402CA10	46
ISA	X	X	-	X	X	10x8	8	1	1000	-	-	-	-	-	-	-	ISA0801CA10	47
ISA	X	X	-	X	X	12x16	16	1	1000	-	-	-	-	-	-	-	ISA161CSSN00001	47
ISA	X	-	X	-	X	14	1	1	1000	-	-	-	-	-	-	-	ISA11CANN00001	48
ISA	X	-	X	-	X	16x2	2	1	1000	-	-	-	-	-	-	-	ISA21CANN00001	48
ISA	X	-	X	-	X	14	2	2	1000	-	-	-	-	-	-	-	ISA22CANN00001	49
ISA	X	-	X	X	X	16x3	3	1	1000	-	-	-	-	-	-	-	ISA31CASN00001	49
ISA	X	-	X	X	X	12x4	4	1	1000	-	-	-	-	-	-	-	ISA41CASN00001	50
ISA	X	-	X	-	X	14x2	4	2	1000	-	-	-	-	-	-	-	ISA42CANN00001	50

AC/DC switchboards for protection and disconnection of medium to small PV systems.

The compact design and the presence of photovoltaic connectors on the DC circuit and cable glands on the AC, facilitate and speed up the installation phase. All components are already wired, avoiding the installer to operate directly on them.

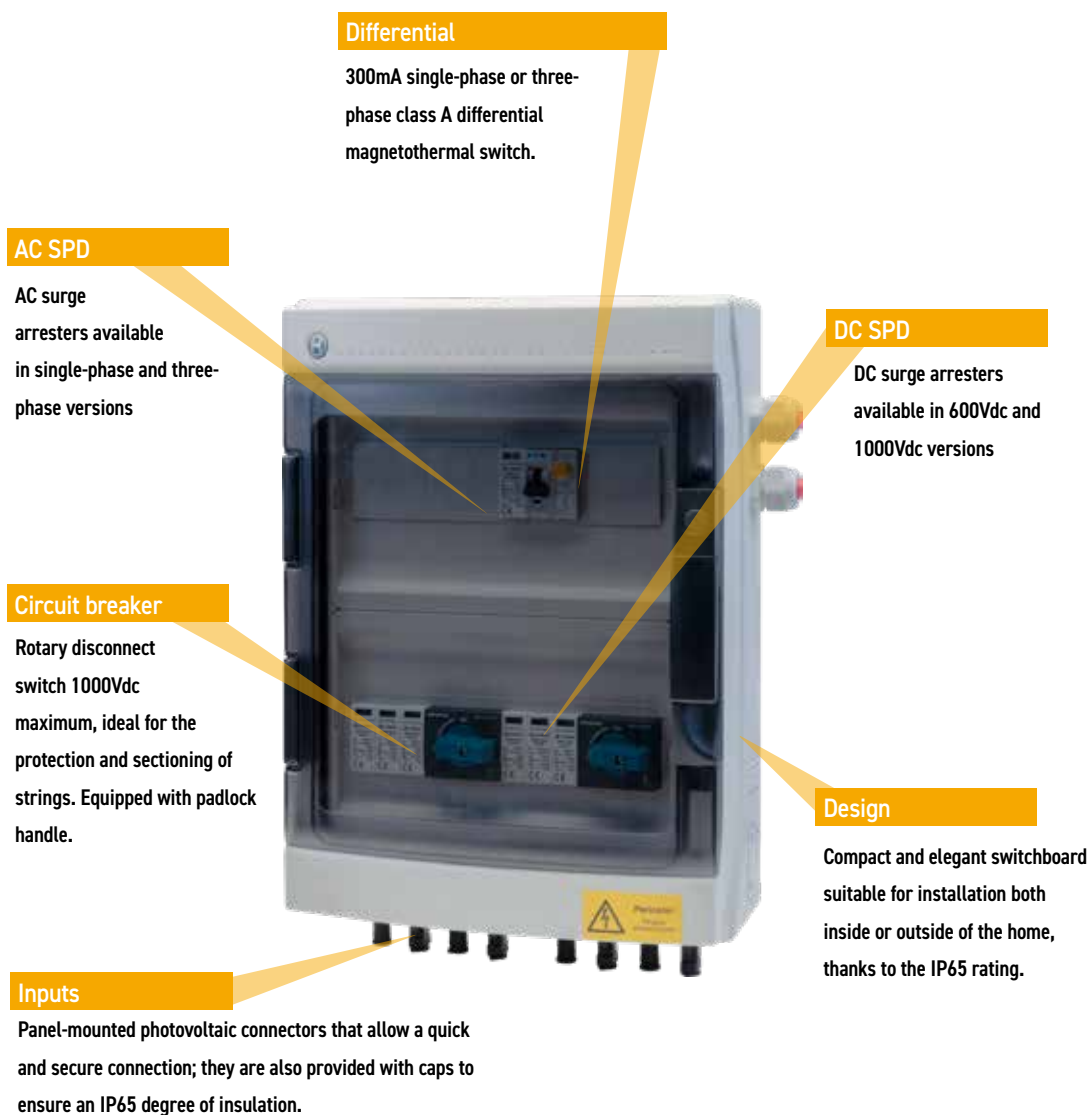
The switchboard is designed according to the latest current regulations.

The declaration of conformity of each switchboard can be downloaded from our website.

Customized switchboards available based on customer requirements.

Please note that the choice of switchboard is left to the customer and depends on the type of system, the inverter and the overall power of the system.

For more information please contact our sales department.

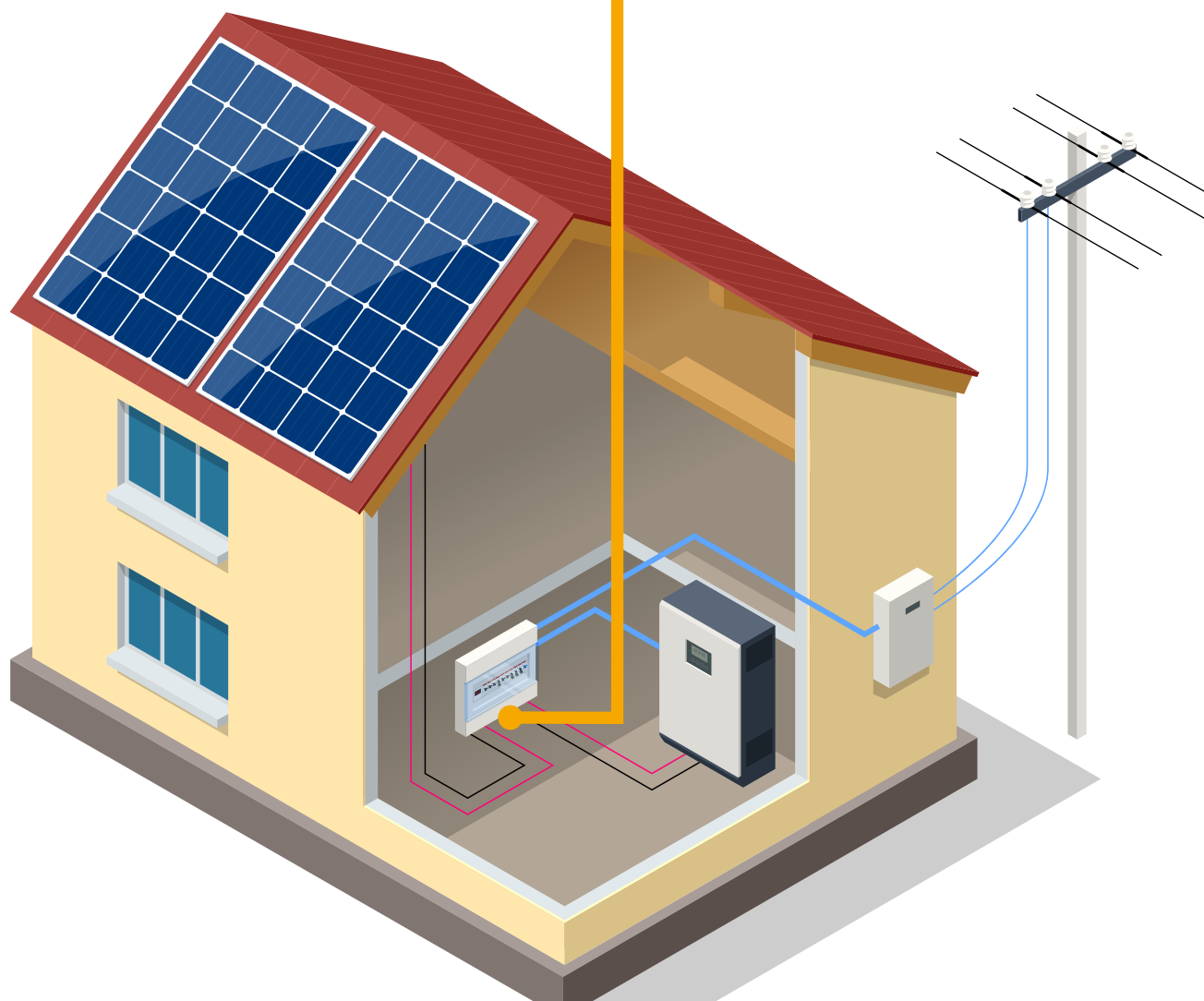


Recommended uses:

- Medium to small photovoltaic systems
- Revamping of existing systems

Main features:

- Suitable for single-phase (7 kW maximum) and three-phase (approx. 6 kW maximum) systems
- Up to 2 DC inputs from the field that can be operated by a single parallel switch or to independent switches
- Up to 2 MPPT outputs
- EN 61439-2 certified
- Easy installation
- High quality components

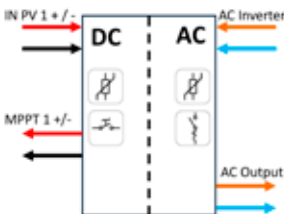
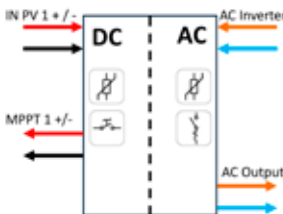


- 1 DC inputs from the Photovoltaic field
- 1 DC outputs to the Photovoltaic inverters
- DC inputs/outputs based on Cabur Line 4 connectors
- 1 MPPT management
- A-class Residual-Current Circuit Breaker
- AC and DC surge protective device
- Suitable for 600V or 1000V systems
- CEI EN 61439-2 compliant

PRESENTATION PURPOSE ONLY

PRESENTATION PURPOSE ONLY



VERSION	CODE TYPE	ISL0101CA06	ISL0101CA10
			
			
DC CIRCUIT			
Number of Input (solar strings)		1	1
Number of Outputs MPPT		1	1
Max. Input Voltage		600 (V)	1000 (V)
Max. Current for each string		20 (A)	20 (A)
Max. MPPT output current		20 (A)	20 (A)
With fuse holder		No	No
Circuit breaker		1	1
Input connection		Cabur Line 4 connectors	Cabur Line 4 connectors
Output connection		Cabur Line 4 connectors	Cabur Line 4 connectors
SURGE PROTECTIVE DEVICE			
Nominal voltage Un		600 (V)	1000 (V)
Protection level Up		2000 (V)	3000 (V)
Nominal discharge current 8/20 In		20 (kA)	20 (kA)
AC CIRCUIT			
Max. Input Voltage		230 (V)	230 (V)
Max. input current		16 (A)	16 (A)
Nominal frequency		50 (Hz)	50 (Hz)
Input connection		6 mm² terminal block	6 mm² terminal block
Output connection		6 mm² terminal block	6 mm² terminal block
THERMAL - MAGNETIC CIRCUIT BREAKER			
Type		1P+N	1P+N
Flow Rate		16 (A)	16 (A)
Tripping curve		C	C
Short circuit current		6 (kA)	6 (kA)
RESIDUAL-CURRENT CIRCUIT BREAKER			
Class		A	A
Sensitivity		0.3 (A)	0.3 (A)
SURGE PROTECTIVE DEVICE			
Nominal voltage Un		230 (V)	230 (V)
Protection level Up		1500 (V)	1500 (V)
Nominal discharge current 8/20 In		20 (kA)	20 (kA)
GENERAL DATA			
Protection degree		IP65	IP65
Size (including connectors)		460x340x143	460x340x143
Standard compliancy		CEI EN 61439-2	CEI EN 61439-2

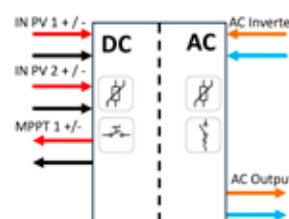
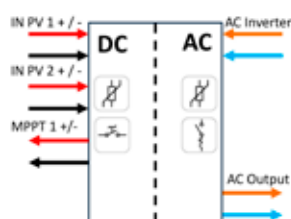
- Up to 2 DC inputs from the Photovoltaic field
- 1 DC outputs to the Photovoltaic inverters
- DC inputs/outputs based on Cabur Line 4 connectors
- 1 MPPT management
- A-class Residual-Current Circuit Breaker
- AC and DC surge protective device
- Suitable for 600V or 1000V systems
- CEI EN 61439-2 compliant

PRESENTATION PURPOSE ONLY

PRESENTATION PURPOSE ONLY



VERSION	CODE TYPE	ISL0201CA06	ISL0201CA10
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DC CIRCUIT		
Number of Input (solar strings)	2	2
Number of Outputs MPPT	1	1
Max. Input Voltage	600 (V)	1000 (V)
Max. Current for each string	10 (A)	10 (A)
Max. MPPT output current	20 (A)	20 (A)
With fuse holder	No	No
Circuit breaker	1	1
Input connection	Cabur Line 4 connectors	Cabur Line 4 connectors
Output connection	Cabur Line 4 connectors	Cabur Line 4 connectors
SURGE PROTECTIVE DEVICE		
Nominal voltage Un	600 (V)	1000 (V)
Protection level Up	2000 (V)	3000 (V)
Nominal discharge current 8/20 In	20 (kA)	20 (kA)
AC CIRCUIT		
Max. Input Voltage	230 (V)	230 (V)
Max. input current	32 (A)	32 (A)
Nominal frequency	50 (Hz)	50 (Hz)
Input connection	10 mm ² terminal block	10 mm ² terminal block
Output connection	10 mm ² terminal block	10 mm ² terminal block
THERMAL - MAGNETIC CIRCUIT BREAKER		
Type	1P+N	1P+N
Flow Rate	32 (A)	32 (A)
Tripping curve	C	C
Short circuit current	6 (kA)	6 (kA)
RESIDUAL-CURRENT CIRCUIT BREAKER		
Class	A	A
Sensitivity	0.3 (A)	0.3 (A)
SURGE PROTECTIVE DEVICE		
Nominal voltage Un	230 (V)	230 (V)
Protection level Up	1500 (V)	1500 (V)
Nominal discharge current 8/20 In	20 (kA)	20 (kA)
GENERAL DATA		
Protection degree	IP65	IP65
Size (including connectors)	460x340x143	460x340x143
Standard compliancy	CEI EN 61439-2	CEI EN 61439-2

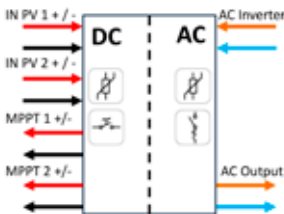
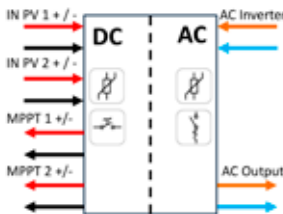
- Up to 2 DC inputs from the Photovoltaic field
- Up to 2 DC outputs to the Photovoltaic inverters
- DC inputs/outputs based on Cabur Line 4 connectors
- Up to 2 MPPT management
- A-class Residual-Current Circuit Breaker
- AC and DC surge protective device
- Suitable for 600V or 1000V systems
- CEI EN 61439-2 compliant

PRESENTATION PURPOSE ONLY



PRESENTATION PURPOSE ONLY



VERSION	CODE TYPE	ISL0202CA06	ISL0202CA10
		 	
DC CIRCUIT			
Number of Input (solar strings)		2	2
Number of Outputs MPPT		2	2
Max. Input Voltage		600 (V)	1000 (V)
Max. Current for each string		10 (A)	10 (A)
Max. MPPT output current		10 (A)	10 (A)
With fuse holder		No	No
Circuit breaker		2	2
Input connection		Cabur Line 4 connectors	Cabur Line 4 connectors
Output connection		Cabur Line 4 connectors	Cabur Line 4 connectors
SURGE PROTECTIVE DEVICE			
Nominal voltage Un		600 (V)	1000 (V)
Protection level Up		2000 (V)	3000 (V)
Nominal discharge current 8/20 In		20 (kA)	20 (kA)
AC CIRCUIT			
Max. Input Voltage		230 (V)	230 (V)
Max. input current		32 (A)	32 (A)
Nominal frequency		50 (Hz)	50 (Hz)
Input connection		10 mm ² terminal block	10 mm ² terminal block
Output connection		10 mm ² terminal block	10 mm ² terminal block
THERMAL - MAGNETIC CIRCUIT BREAKER			
Type		1P+N	1P+N
Flow Rate		32 (A)	32 (A)
Tripping curve		C	C
Short circuit current		6 (kA)	6 (kA)
RESIDUAL-CURRENT CIRCUIT BREAKER			
Class		A	A
Sensitivity		0.3 (A)	0.3 (A)
SURGE PROTECTIVE DEVICE			
Nominal voltage Un		230 (V)	230 (V)
Protection level Up		1500 (V)	1500 (V)
Nominal discharge current 8/20 In		20 (kA)	20 (kA)
GENERAL DATA			
Protection degree		IP65	IP65
Size (including connectors)		460x340x143	460x340x143
Standard compliancy		CEI EN 61439-2	CEI EN 61439-2

- Up to 2 DC inputs from the Photovoltaic field
- Up to 2 DC outputs to the Photovoltaic inverters
- DC inputs/outputs based on Cabur Line 4 connectors
- Up to 2 MPPT management
- A-class Residual-Current Circuit Breaker
- AC and DC surge protective device
- Suitable for 600V or 1000V systems
- CEI EN 61439-2 compliant

(1) The two DC circuits are disconnected at the same time

PRESENTATION PURPOSE ONLY



PRESENTATION PURPOSE ONLY



VERSION

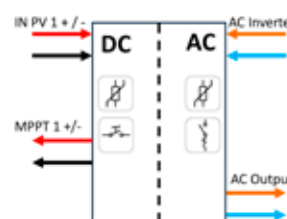
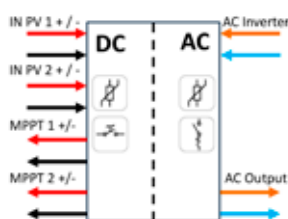
CODE
TYPE

ISL0202CX06

ISL0202CX06

ISL11MSNA03251

ISL11MSNA03251



DC CIRCUIT

Number of Input (solar strings)	2	1
Number of Outputs MPPT	2	1
Max. Input Voltage	600 (V)	1000 (V)
Max. Current for each string	10 (A)	20 (A)
Max. MPPT output current	10 (A)	20 (A)
With fuse holder	No	No
Circuit breaker	1 (I)	1
Input connection	Cabur Line 4 connectors	Cabur Line 4 connectors
Output connection	Cabur Line 4 connectors	Cabur Line 4 connectors

SURGE PROTECTIVE DEVICE

Nominal voltage Un	600 (V)	1000 (V)
Protection level Up	2000 (V)	3000 (V)
Nominal discharge current 8/20 In	20 (kA)	20 (kA)

AC CIRCUIT

Max. Input Voltage	230 (V)	230 (V)
Max. input current	32 (A)	25 (A)
Nominal frequency	50 (Hz)	50 (Hz)
Input connection	10 mm² terminal block	10 mm² terminal block
Output connection	10 mm² terminal block	10 mm² terminal block

THERMAL - MAGNETIC CIRCUIT BREAKER

Type	1P+N	1P+N
Flow Rate	32 (A)	25 (A)
Tripping curve	C	C
Short circuit current	6 (kA)	10 (kA)

RESIDUAL-CURRENT CIRCUIT BREAKER

Class	A	A
Sensitivity	0.3 (A)	0.3 (A)

SURGE PROTECTIVE DEVICE

Nominal voltage Un	230 (V)	230 (V)
Protection level Up	1500 (V)	1500 (V)
Nominal discharge current 8/20 In	20 (kA)	20 (kA)

GENERAL DATA

Protection degree	IP65	IP65
Size (including connectors)	460x340x143	460x340x143
Standard compliancy	CEI EN 61439-2	CEI EN 61439-2

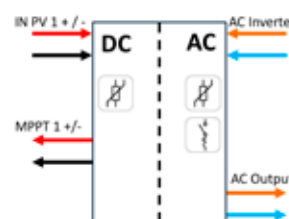
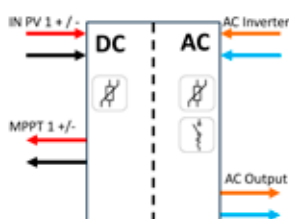
- Up to 1 DC inputs from the Photovoltaic field
- Up to 1 DC outputs to the Photovoltaic inverters
- DC inputs/outputs based on Cabur Line 4 connectors
- 1 MPPT management
- Without DC circuit breaker
- A-class Residual-Current Circuit Breaker
- AC and DC surge protective device
- Suitable for 600V or 1000V systems
- CEI EN 61439-2 compliant

PRESENTATION PURPOSE ONLY

PRESENTATION PURPOSE ONLY



VERSION	CODE TYPE	ISL0101NS06	ISL11MNNA03161
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DC CIRCUIT			
Number of Input (solar strings)		1	1
Number of Outputs MPPT		1	1
Max. Input Voltage		600 (V)	1000 (V)
Max. Current for each string		20 (A)	20 (A)
Max. MPPT output current		20 (A)	20 (A)
With fuse holder		No	No
Circuit breaker		0	0
Input connection		Cabur Line 4 connectors	Cabur Line 4 connectors
Output connection		Cabur Line 4 connectors	Cabur Line 4 connectors
SURGE PROTECTIVE DEVICE			
Nominal voltage Un		600 (V)	1000 (V)
Protection level Up		2000 (V)	3000 (V)
Nominal discharge current 8/20 In		20 (kA)	20 (kA)
AC CIRCUIT			
Max. Input Voltage		230 (V)	230 (V)
Max. input current		16 (A)	16 (A)
Nominal frequency		50 (Hz)	50 (Hz)
Input connection		10 mm² terminal block	10 mm² terminal block
Output connection		10 mm² terminal block	10 mm² terminal block
THERMAL - MAGNETIC CIRCUIT BREAKER			
Type		1P+N	1P+N
Flow Rate		16 (A)	16 (A)
Tripping curve		C	C
Short circuit current		6 (kA)	6 (kA)
RESIDUAL-CURRENT CIRCUIT BREAKER			
Class		A	A
Sensitivity		0.3 (A)	0.3 (A)
SURGE PROTECTIVE DEVICE			
Nominal voltage Un		230 (V)	230 (V)
Protection level Up		1500 (V)	1500 (V)
Nominal discharge current 8/20 In		20 (kA)	20 (kA)
GENERAL DATA			
Protection degree		IP65	IP65
Size (including connectors)		460x340x143	460x340x143
Standard compliancy		CEI EN 61439-2	CEI EN 61439-2

- Up to 2 DC inputs from the Photovoltaic field
- Up to 2 DC outputs to the Photovoltaic inverters
- DC inputs/outputs based on Cabur Line 4 connectors
- Up to 2 MPPT management
- Without DC circuit breaker
- A-class Residual-Current Circuit Breaker
- AC and DC surge protective device
- Suitable for 600V or 1000V systems
- CEI EN 61439-2 compliant

PRESENTATION PURPOSE ONLY

PRESENTATION PURPOSE ONLY



VERSION

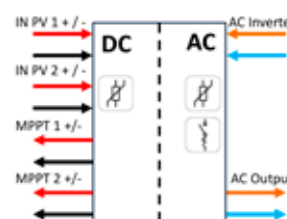
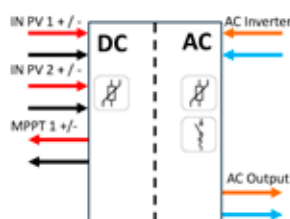
CODE
TYPE

ISL21MNA03321

ISL21MNA03321

ISL0202NS06

ISL0202NS06



DC CIRCUIT

Number of Input (solar strings)	2	2
Number of Outputs MPPT	1	2
Max. Input Voltage	1000 (V)	600 (V)
Max. Current for each string	10 (A)	10 (A)
Max. MPPT output current	20 (A)	10 (A)
With fuse holder	No	No
Circuit breaker	0	0
Input connection	Cabur Line 4 connectors	Cabur Line 4 connectors
Output connection	Cabur Line 4 connectors	Cabur Line 4 connectors

SURGE PROTECTIVE DEVICE

Nominal voltage Un	1000 (V)	600 (V)
Protection level Up	3000 (V)	2000 (V)
Nominal discharge current 8/20 In	20 (kA)	20 (kA)

AC CIRCUIT

Max. Input Voltage	230 (V)	230 (V)
Max. input current	32 (A)	32 (A)
Nominal frequency	50 (Hz)	50 (Hz)
Input connection	10 mm ² terminal block	10 mm ² terminal block
Output connection	10 mm ² terminal block	10 mm ² terminal block

THERMAL - MAGNETIC CIRCUIT BREAKER

Type	1P+N	1P+N
Flow Rate	32 (A)	32 (A)
Tripping curve	C	C
Short circuit current	10 (kA)	6 (kA)

RESIDUAL-CURRENT CIRCUIT BREAKER

Class	A	A
Sensitivity	0.3 (A)	0.3 (A)

SURGE PROTECTIVE DEVICE

Nominal voltage Un	230 (V)	230 (V)
Protection level Up	1500 (V)	1500 (V)
Nominal discharge current 8/20 In	20 (kA)	20 (kA)

GENERAL DATA

Protection degree	IP65	IP65
Size (including connectors)	460x340x143	460x340x143
Standard compliancy	CEI EN 61439-2	CEI EN 61439-2

- Up to 2 DC inputs from the Photovoltaic field
- Up to 2 DC outputs to the Photovoltaic inverters
- DC inputs/outputs based on Cabur Line 4 connectors
- Up to 2 MPPT management
- A-class Residual-Current Circuit Breaker
- AC and DC surge protective device
- Suitable for 600V or 1000V systems
- CEI EN 61439-2 compliant

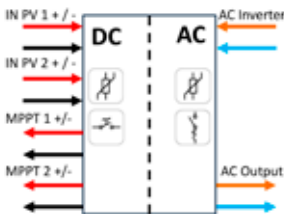
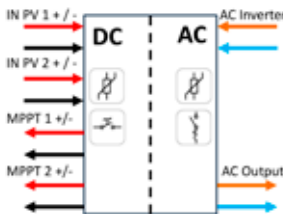


PRESENTATION PURPOSE ONLY



PRESENTATION PURPOSE ONLY



VERSION	CODE TYPE	ISL22MSNA03326	ISL22MSNA03321
		 	
DC CIRCUIT			
Number of Input (solar strings)		2	2
Number of Outputs MPPT		2	2
Max. Input Voltage		600 (V)	1000 (V)
Max. Current for each string		16 (A)	16 (A)
Max. MPPT output current		16 (A)	16 (A)
With fuse holder		No	No
Circuit breaker		2	2
Input connection		Cabur Line 4 connectors	Cabur Line 4 connectors
Output connection		Cabur Line 4 connectors	Cabur Line 4 connectors
SURGE PROTECTIVE DEVICE			
Nominal voltage Un		600 (V)	1000 (V)
Protection level Up		2000 (V)	3000 (V)
Nominal discharge current 8/20 In		20 (kA)	20 (kA)
AC CIRCUIT			
Max. Input Voltage		230 (V)	230 (V)
Max. input current		32 (A)	32 (A)
Nominal frequency		50 (Hz)	50 (Hz)
Input connection		10 mm ² terminal block	10 mm ² terminal block
Output connection		10 mm ² terminal block	10 mm ² terminal block
THERMAL - MAGNETIC CIRCUIT BREAKER			
Type		1P+N	1P+N
Flow Rate		32 (A)	32 (A)
Tripping curve		C	C
Short circuit current		6 (kA)	6 (kA)
RESIDUAL-CURRENT CIRCUIT BREAKER			
Class		A	A
Sensitivity		0.3 (A)	0.3 (A)
SURGE PROTECTIVE DEVICE			
Nominal voltage Un		230 (V)	230 (V)
Protection level Up		1500 (V)	1500 (V)
Nominal discharge current 8/20 In		20 (kA)	20 (kA)
GENERAL DATA			
Protection degree		IP65	IP65
Size (including connectors)		460x340x143	460x340x143
Standard compliancy		CEI EN 61439-2	CEI EN 61439-2

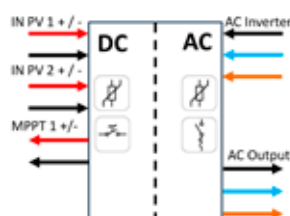
- Up to 2 DC inputs from the Photovoltaic field
- 1 DC outputs to the Photovoltaic inverters
- DC inputs/outputs based on Cabur Line 4 connectors
- 1 MPPT management
- A-class Residual-Current Circuit Breaker
- AC and DC surge protective device
- Suitable for 600V or 1000V systems
- CEI EN 61439-2 compliant

PRESENTATION PURPOSE ONLY

PRESENTATION PURPOSE ONLY



VERSION	CODE TYPE	ISL02T01CA06	ISL02T01CA06	ISL02T01CA10	ISL02T01CA10
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DC CIRCUIT			
Number of Input (solar strings)	2		2
Number of Outputs MPPT	1		1
Max. Input Voltage	600 (V)		1000 (V)
Max. Current for each string	10 (A)		10 (A)
Max. MPPT output current	20 (A)		20 (A)
With fuse holder	No		No
Circuit breaker	1		1
Input connection	Cabur Line 4 connectors		Cabur Line 4 connectors
Output connection	Cabur Line 4 connectors		Cabur Line 4 connectors
SURGE PROTECTIVE DEVICE			
Nominal voltage Un	600 (V)		1000 (V)
Protection level Up	2000 (V)		3000 (V)
Nominal discharge current 8/20 In	20 (kA)		20 (kA)
AC CIRCUIT			
Max. Input Voltage	440 (V)		440 (V)
Max. input current	16 (A)		16 (A)
Nominal frequency	50 (Hz)		50 (Hz)
Input connection	10 mm² terminal block		10 mm² terminal block
Output connection	10 mm² terminal block		10 mm² terminal block
THERMAL - MAGNETIC CIRCUIT BREAKER			
Type	3P+N		3P+N
Flow Rate	16 (A)		16 (A)
Tripping curve	C		C
Short circuit current	6 (kA)		6 (kA)
RESIDUAL-CURRENT CIRCUIT BREAKER			
Class	A		A
Sensitivity	0.3 (A)		0.3 (A)
SURGE PROTECTIVE DEVICE			
Nominal voltage Un	440 (V)		440 (V)
Protection level Up	1500 (V)		1500 (V)
Nominal discharge current 8/20 In	20 (kA)		20 (kA)
GENERAL DATA			
Protection degree	IP65		IP65
Size (including connectors)	460x340x143		460x340x143
Standard compliancy	CEI EN 61439-2		CEI EN 61439-2

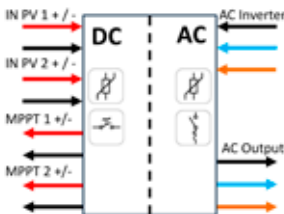
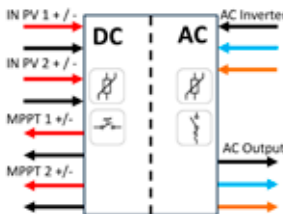
- Up to 2 DC inputs from the Photovoltaic field
- Up to 2 DC outputs to the Photovoltaic inverters
- DC inputs/outputs based on Cabur Line 4 connectors
- Up to 2 MPPT management
- A-class Residual-Current Circuit Breaker
- AC and DC surge protective device
- Suitable for 600V or 1000V systems
- CEI EN 61439-2 compliant

PRESENTATION PURPOSE ONLY



PRESENTATION PURPOSE ONLY



VERSION	CODE TYPE	ISL02T02CA06	ISL02T02CA10
		 	
DC CIRCUIT			
Number of Input (solar strings)		2	2
Number of Outputs MPPT		2	2
Max. Input Voltage		600 (V)	1000 (V)
Max. Current for each string		10 (A)	10 (A)
Max. MPPT output current		10 (A)	10 (A)
With fuse holder		No	No
Circuit breaker		2	2
Input connection		Cabur Line 4 connectors	Cabur Line 4 connectors
Output connection		Cabur Line 4 connectors	Cabur Line 4 connectors
SURGE PROTECTIVE DEVICE			
Nominal voltage Un		600 (V)	1000 (V)
Protection level Up		2000 (V)	3000 (V)
Nominal discharge current 8/20 In		20 (kA)	20 (kA)
AC CIRCUIT			
Max. Input Voltage		440 (V)	440 (V)
Max. input current		16 (A)	16 (A)
Nominal frequency		50 (Hz)	50 (Hz)
Input connection		10 mm ² terminal block	10 mm ² terminal block
Output connection		10 mm ² terminal block	10 mm ² terminal block
THERMAL - MAGNETIC CIRCUIT BREAKER			
Type		3P+N	3P+N
Flow Rate		16 (A)	16 (A)
Tripping curve		C	C
Short circuit current		6 (kA)	6 (kA)
RESIDUAL-CURRENT CIRCUIT BREAKER			
Class		A	A
Sensitivity		0.3 (A)	0.3 (A)
SURGE PROTECTIVE DEVICE			
Nominal voltage Un		440 (V)	440 (V)
Protection level Up		1500 (V)	1500 (V)
Nominal discharge current 8/20 In		20 (kA)	20 (kA)
GENERAL DATA			
Protection degree		IP65	IP65
Size (including connectors)		460x340x143	460x340x143
Standard compliancy		CEI EN 61439-2	CEI EN 61439-2

- Up to 2 DC inputs from the Photovoltaic field
- Up to 2 DC outputs to the Photovoltaic inverters
- DC inputs/outputs based on Cabur Line 4 connectors
- Up to 2 MPPT management
- A-class Residual-Current Circuit Breaker
- AC and DC surge protective device
- Suitable for 600V or 1000V systems
- CEI EN 61439-2 compliant

(1) The two DC circuits are disconnected at the same time

PRESENTATION PURPOSE ONLY



PRESENTATION PURPOSE ONLY



VERSION

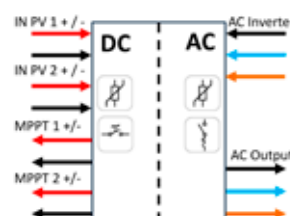
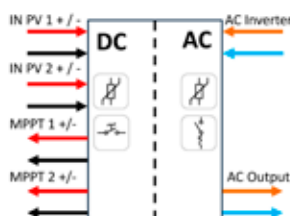
CODE
TYPE

ISL02T02CX06

ISL02T02CX06

ISL22TSNA03321

ISL22TSNA03321



DC CIRCUIT

Number of Input (solar strings)	2	2
Number of Outputs MPPT	2	2
Max. Input Voltage	600 (V)	1000 (V)
Max. Current for each string	10 (A)	10 (A)
Max. MPPT output current	10 (A)	10 (A)
With fuse holder	No	No
Circuit breaker	1 (I)	1
Input connection	Cabur Line 4 connectors	Cabur Line 4 connectors
Output connection	Cabur Line 4 connectors	Cabur Line 4 connectors

SURGE PROTECTIVE DEVICE

Nominal voltage Un	600 (V)	1000 (V)
Protection level Up	2000 (V)	3000 (V)
Nominal discharge current 8/20 In	20 (kA)	20 (kA)

AC CIRCUIT

Max. Input Voltage	440 (V)	440 (V)
Max. input current	16 (A)	32 (A)
Nominal frequency	50 (Hz)	50 (Hz)
Input connection	10 mm ² terminal block	10 mm ² terminal block
Output connection	10 mm ² terminal block	10 mm ² terminal block

THERMAL - MAGNETIC CIRCUIT BREAKER

Type	3P+N	3P+N
Flow Rate	16 (A)	32 (A)
Tripping curve	C	C
Short circuit current	6 (kA)	10 (kA)

RESIDUAL-CURRENT CIRCUIT BREAKER

Class	A	A
Sensitivity	0.3 (A)	0.3 (A)

SURGE PROTECTIVE DEVICE

Nominal voltage Un	440 (V)	440 (V)
Protection level Up	1500 (V)	1500 (V)
Nominal discharge current 8/20 In	20 (kA)	20 (kA)

GENERAL DATA

Protection degree	IP65	IP65
Size (including connectors)	460x340x143	520x462x143
Standard compliancy	CEI EN 61439-2	CEI EN 61439-2

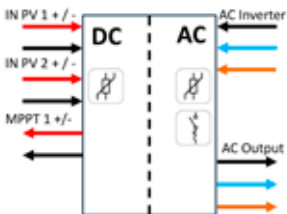
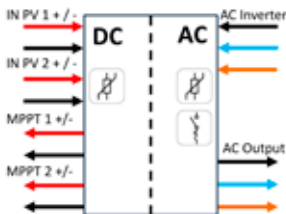
- Up to 2 DC inputs from the Photovoltaic field
- Up to 2 DC outputs to the Photovoltaic inverters
- DC inputs/outputs based on Cabur Line 4 connectors
- Up to 2 MPPT management
- Without DC circuit breaker
- A-class Residual-Current Circuit Breaker
- AC and DC surge protective device
- Suitable for 600V or 1000V systems
- CEI EN 61439-2 compliant

PRESENTATION PURPOSE ONLY



PRESENTATION PURPOSE ONLY



VERSION	CODE TYPE	ISL02T01NS10	ISL02T01NS10	ISL02T02NS06	ISL02T02NS06
 					
DC CIRCUIT					
Number of Input (solar strings)		2		2	
Number of Outputs MPPT		1		2	
Max. Input Voltage		1000 (V)		600 (V)	
Max. Current for each string		10 (A)		10 (A)	
Max. MPPT output current		20 (A)		10 (A)	
With fuse holder		No		No	
Circuit breaker		0		0	
Input connection		Cabur Line 4 connectors		Cabur Line 4 connectors	
Output connection		Cabur Line 4 connectors		Cabur Line 4 connectors	
SURGE PROTECTIVE DEVICE					
Nominal voltage Un		1000 (V)		600 (V)	
Protection level Up		3000 (V)		2000 (V)	
Nominal discharge current 8/20 In		20 (kA)		20 (kA)	
AC CIRCUIT					
Max. Input Voltage		440 (V)		440 (V)	
Max. input current		16 (A)		16 (A)	
Nominal frequency		50 (Hz)		50 (Hz)	
Input connection		10 mm ² terminal block		10 mm ² terminal block	
Output connection		10 mm ² terminal block		10 mm ² terminal block	
THERMAL - MAGNETIC CIRCUIT BREAKER					
Type		3P+N		3P+N	
Flow Rate		16 (A)		16 (A)	
Tripping curve		C		C	
Short circuit current		6 (kA)		6 (kA)	
RESIDUAL-CURRENT CIRCUIT BREAKER					
Class		A		A	
Sensitivity		0.3 (A)		0.3 (A)	
SURGE PROTECTIVE DEVICE					
Nominal voltage Un		440 (V)		440 (V)	
Protection level Up		1500 (V)		1500 (V)	
Nominal discharge current 8/20 In		20 (kA)		20 (kA)	
GENERAL DATA					
Protection degree		IP65		IP65	
Size (including connectors)		460x340x143		460x340x143	
Standard compliancy		CEI EN 61439-2		CEI EN 61439-2	

The AC switchboards are placed between the inverters and the power supply panel of the photovoltaic system and allow to protect both the latter and the existing electrical system. The compact design and the presence of cable glands facilitate and speed up the installation phase.

All components are already wired, so that the installer does not have to work directly on them.

The switchboard is designed according to the latest regulations.

The declaration of conformity of each switchboard can be downloaded from our website.

Customized switchboards available based on customer requirements.

Please note that the choice of switchboard is left to the customer and depends on the type of system, the inverter and the overall system power.

For further information, please contact our sales representatives.

Differential

300mA single-phase class A differential magnetothermal switch.

AC SPD

AC surge arresters available in single-phase versions

Inputs

Inputs with cable glands equipped with plugs ensuring an IP 65 insulation.

Design

Compact and elegant switchboard suitable for installation both inside or outside of the home, thanks to the IP65 rating.

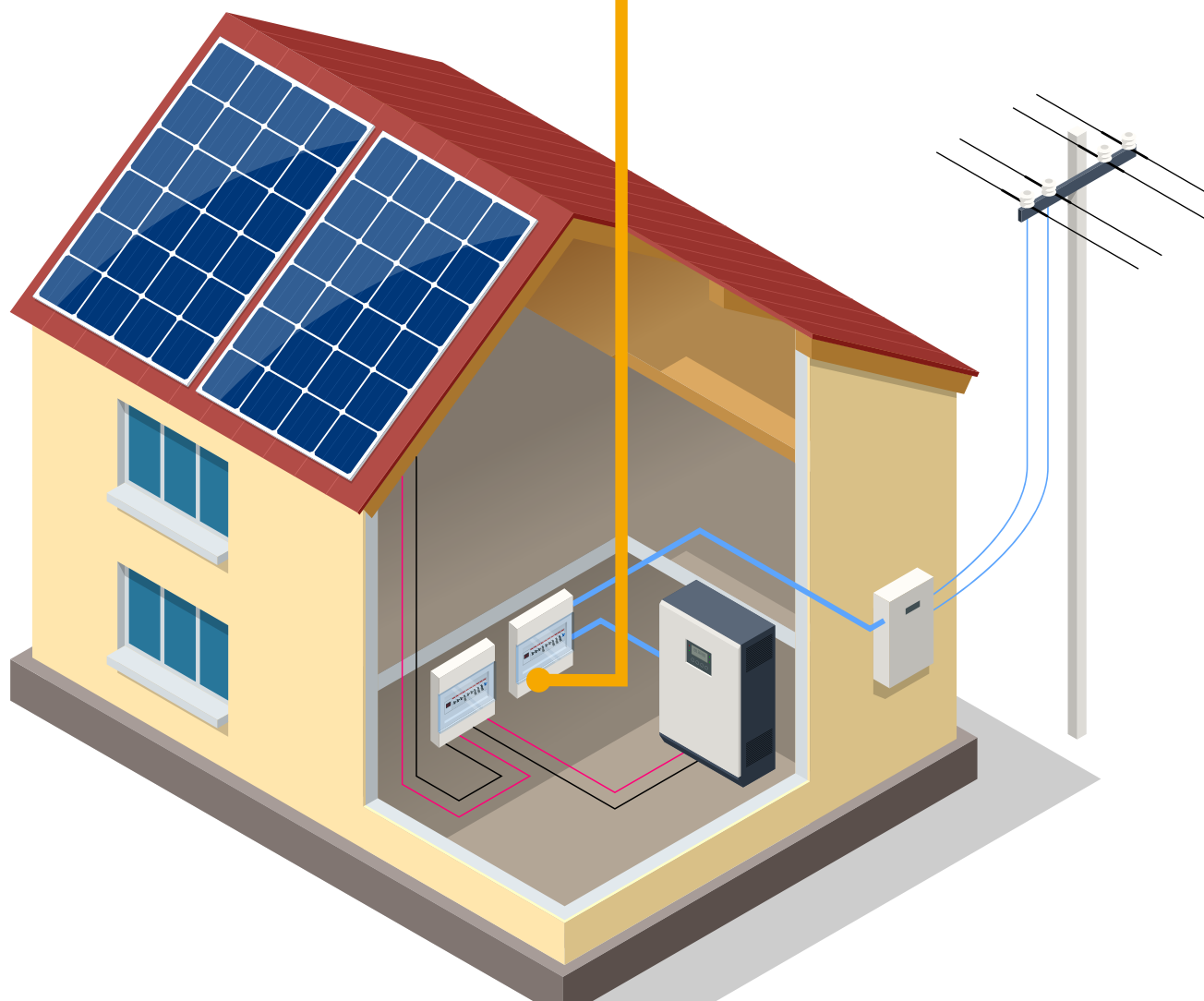


Recommended uses

- Medium to small photovoltaic systems
- Revamping of existing systems

Main features:

- Suitable for single-phase systems (7 kW maximum)
- Can be combined with ISB, ISA lines or plants with existing DC string boxes
- EN 61439-2 certified
- Easy installation
- High quality components



- A-class Residual-Current Circuit Breaker
- AC surge protective device
- CEI EN 61439-2 compliant

PRESENTATION PURPOSE ONLY

PRESENTATION PURPOSE ONLY



VERSION

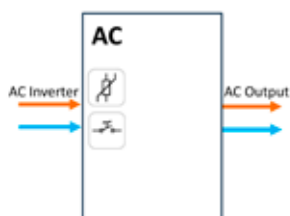
CODE
TYPE

ISS00MNNA03160

ISS00MNNA03160

ISS00MNNA03320

ISS00MNNA03320



AC CIRCUIT

Max. Input Voltage	230 (V)	230 (V)
Max. input current	16 (A)	32 (A)
Nominal frequency	50 (Hz)	50 (Hz)
Input connection	circuit breaker terminals	circuit breaker terminals
Output connection	circuit breaker terminals	circuit breaker terminals

THERMAL - MAGNETIC CIRCUIT BREAKER

Type	1P+N	1P+N
Flow Rate	16 (A)	32 (A)
Tripping curve	C	C
Short circuit current	10 (kA)	10 (kA)

RESIDUAL-CURRENT CIRCUIT BREAKER

Class	A	A
Sensitivity	0.3 (A)	0.3 (A)

SURGE PROTECTIVE DEVICE

Nominal voltage U_n	230 (V)	230 (V)
Protection level U_p	1500 (V)	1500 (V)
Nominal discharge current 8/20 I_n	20 (kA)	20 (kA)

GENERAL DATA

Protection degree	IP65	IP65
Size (including connectors)	275x111x200 (mm)	275x111x200 (mm)
Standard compliancy	CEI EN 61439-2	CEI EN 61439-2

DC switchboards without release coil are placed between the inverters and the photovoltaic panels, and act as protection for both.

The compact design and the presence of photovoltaic connectors facilitate and speed up the installation phase.

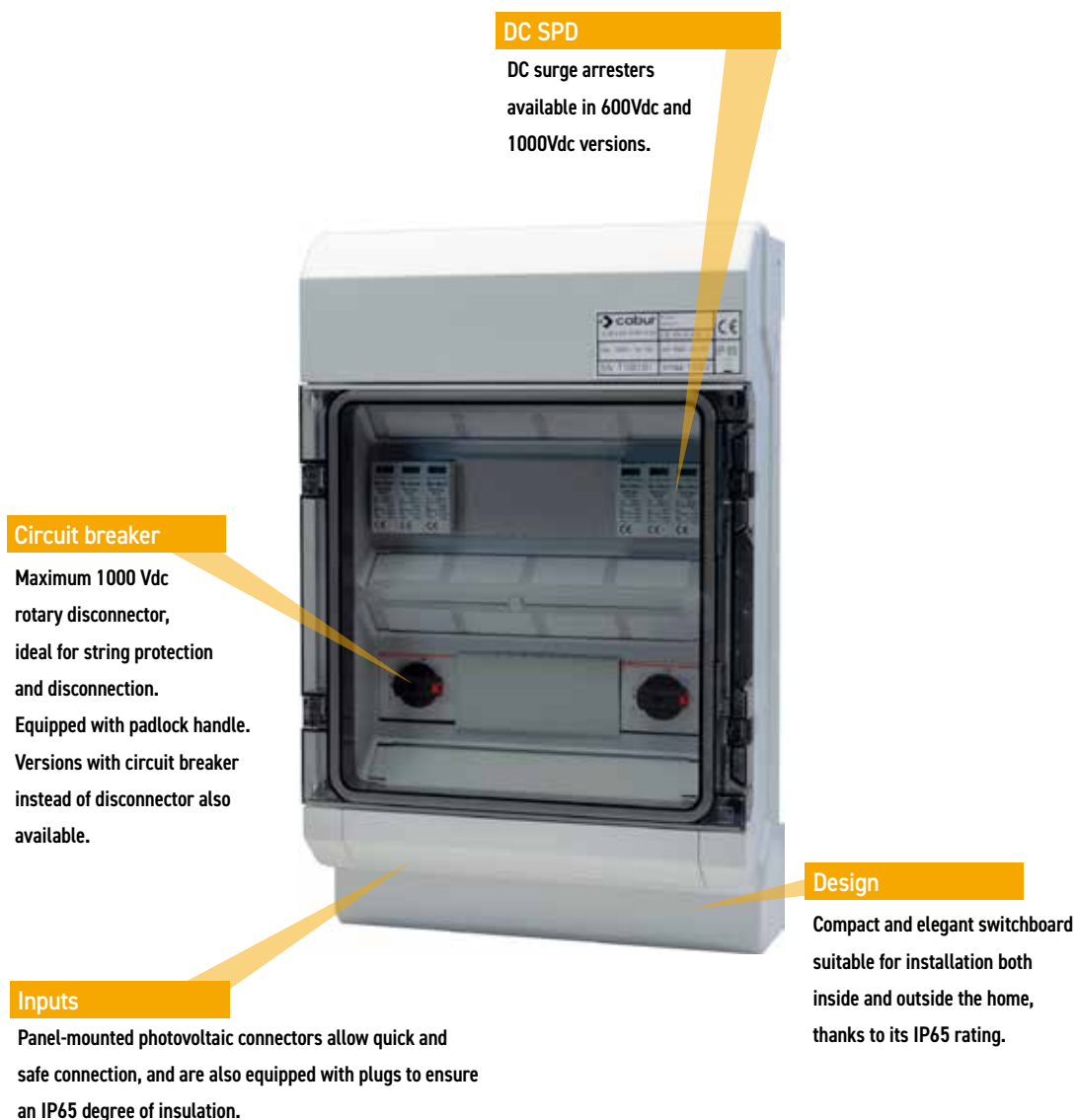
All components are already wired, avoiding the installer to operate directly on them.

The switchboard is designed according to the latest regulations. The declaration of conformity of each switchboard can be downloaded from our website.

Customized switchboards available based on customer requirements.

Please note that the choice of switchboard is left to the customer and depends on the type of system, the inverter and the overall power of the system.

For further information please contact our sales department.

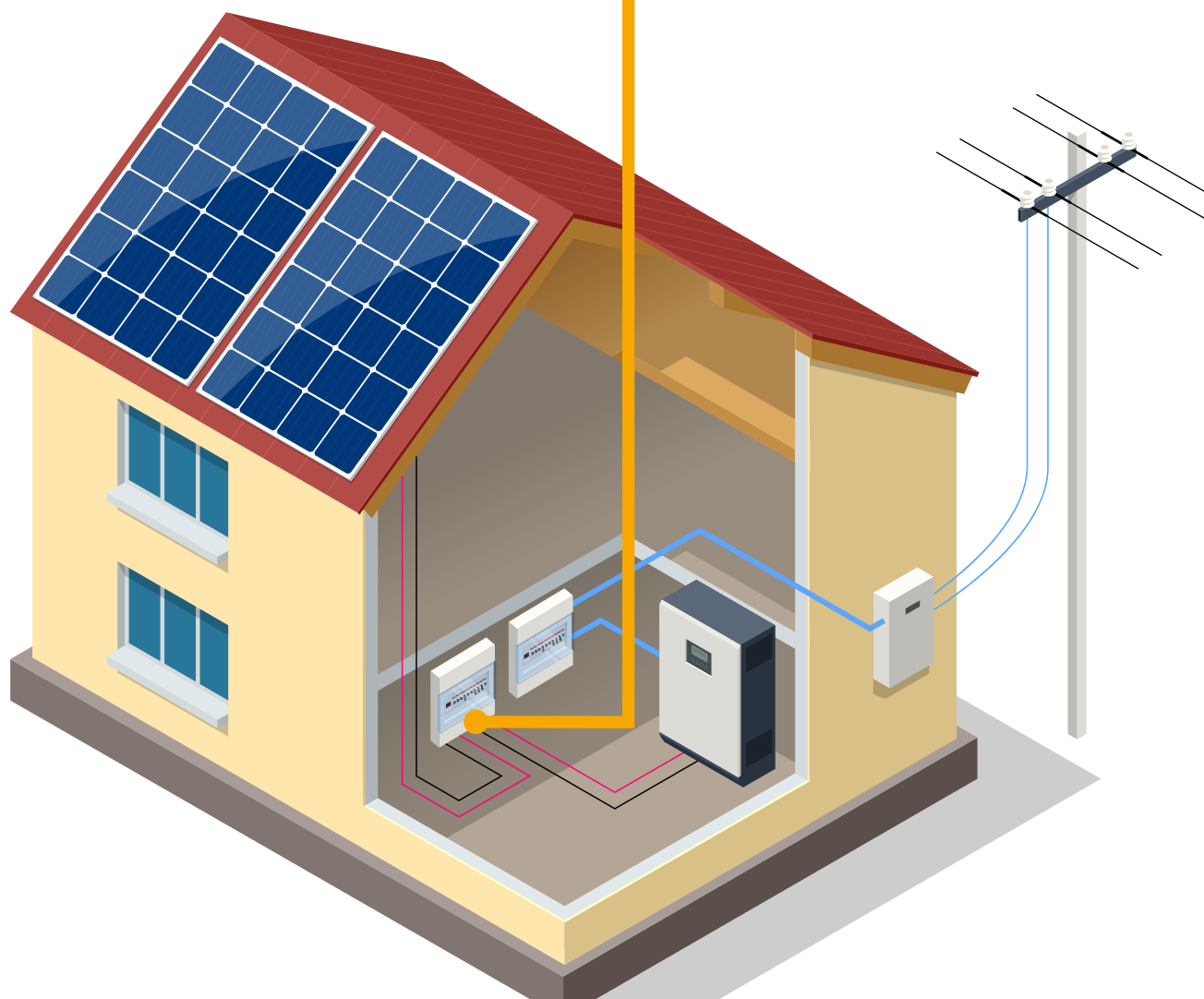


Recommended uses:

- Medium to small photovoltaic systems
- Revamping of existing systems

Main features:

- Suitable for single-phase or three-phase installations (provide dedicated AC panel)
- Can be combined with the ISS line
- Up to 4 DC inputs operated by a single parallel switch or to independent switches
- Up to 2 MPPT outputs
- EN 61439-2 certified
- Easy installation
- High quality components



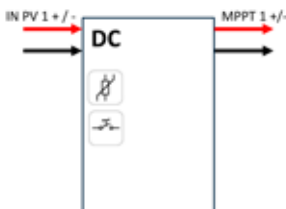
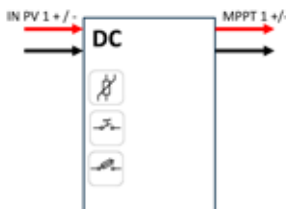
- 1 DC inputs from the Photovoltaic field
- 1 DC outputs to the Photovoltaic inverter
- DC inputs/outputs based on Cabur Line 4 connectors
- 1 MPPT management
- DC surge protective device
- Suitable for 1000V systems
- CEI EN 61439-2 compliant

PRESENTATION PURPOSE ONLY

PRESENTATION PURPOSE ONLY



(1) Our stringboxes are sell without fuses, the choice of the correct size of fuse is mandatory by the customers.

VERSION	CODE TYPE	ISB0101CA10	ISB0101CA10	ISB11CSSN00001	ISB11CSSN00001
					
DC CIRCUIT					
Number of Input (solar strings)		1		1	
Number of Outputs MPPT		1		1	
Max. Input Voltage		1000 (V)		1000 (V)	
Max. Current for each string		16 (A)		16 (A)	
Max. MPPT output current		16 (A)		16 (A)	
Circuit breaker		1		1	
DC Thermal magnetic circuit breaker		0		0	
Input connection		Cabur Line 4 connectors		Cabur Line 4 connectors	
Output connection		Cabur Line 4 connectors		Cabur Line 4 connectors	
FUSES					
With fuse holder		No		Yes	
Maximum rate				16 (A)	
Type				10x38gPV	
SURGE PROTECTIVE DEVICE					
Nominal voltage Un		1000 (V)		1000 (V)	
Protection level Up		3000 (V)		3000 (V)	
Nominal discharge current 8/20 In		20 (kA)		20 (kA)	
GENERAL DATA					
Protection degree		IP65		IP65	
Size (including connectors)		275x200x111 (mm)		275x200x111 (mm)	
Standard compliancy		CEI EN 61439-2		CEI EN 61439-2	

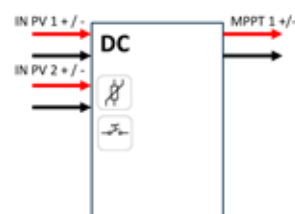
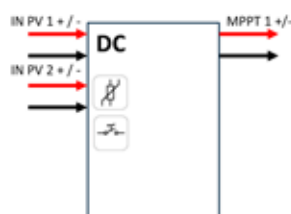
- Up to 2 DC inputs from the Photovoltaic field
- 1 DC outputs to the Photovoltaic inverter
- DC inputs/outputs based on Cabur Line 4 connectors
- 1 MPPT management
- DC surge protective device
- Suitable for 600V or 1000V systems
- CEI EN 61439-2 compliant

PRESENTATION PURPOSE ONLY

PRESENTATION PURPOSE ONLY



VERSION	CODE TYPE	ISB0201CA06	ISB0201CA10
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DC CIRCUIT		
Number of Input (solar strings)	2	2
Number of Outputs MPPT	1	1
Max. Input Voltage	600 (V)	1000 (V)
Max. Current for each string	2 x 12.5 (A)	2 x 12.5 (A)
Max. MPPT output current	25 (A)	25 (A)
Circuit breaker	1	1
DC Thermal magnetic circuit breaker	0	0
Input connection	Cabur Line 4 connectors	Cabur Line 4 connectors
Output connection	Cabur Line 4 connectors	Cabur Line 4 connectors
FUSES		
With fuse holder	No	No
Maximum rate		
Type		
SURGE PROTECTIVE DEVICE		
Nominal voltage Un	600 (V)	1000 (V)
Protection level Up	2000 (V)	3000 (V)
Nominal discharge current 8/20 In	20 (kA)	20 (kA)
GENERAL DATA		
Protection degree	IP65	IP65
Size (including connectors)	275x200x111 (mm)	275x200x111 (mm)
Standard compliancy	CEI EN 61439-2	CEI EN 61439-2

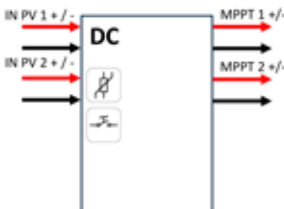
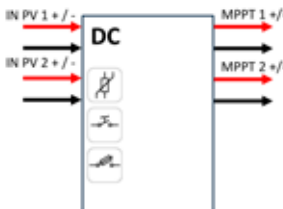
- Up to 2 DC inputs from the Photovoltaic field
- Up to 2 DC outputs to the Photovoltaic inverter
- DC inputs/outputs based on Cabur Line 4 connectors
- Up to 2 MPPT management
- DC surge protective device
- with fuse holders on positive circuit
- Suitable for 1000V systems
- CEI EN 61439-2 compliant

(1) Our stringboxes are sell without fuses, the choice of the correct size of fuse is mandatory by the customers

PRESENTATION PURPOSE ONLY

PRESENTATION PURPOSE ONLY



VERSION	CODE TYPE	ISB0202CA10	ISB22CSSN00001
			
DC CIRCUIT			
Number of Input (solar strings)		2	2
Number of Outputs MPPT		2	2
Max. Input Voltage		1000 (V)	1000 (V)
Max. Current for each string		16 (A)	16 (A)
Max. MPPT output current		16 (A)	16 (A)
Circuit breaker		2	2
DC Thermal magnetic circuit breaker		0	0
Input connection		Cabur Line 4 connectors	Cabur Line 4 connectors
Output connection		Cabur Line 4 connectors	Cabur Line 4 connectors
FUSES			
With fuse holder		No	Yes
Maximum rate			10 (A)
Type			10x38gPV
SURGE PROTECTIVE DEVICE			
Nominal voltage Un		1000 (V)	1000 (V)
Protection level Up		3000 (V)	3000 (V)
Nominal discharge current 8/20 In		20 (kA)	20 (kA)
GENERAL DATA			
Protection degree		IP65	IP65
Size (including connectors)		295x495x130 (mm)	295x495x130 (mm)
Standard compliancy		CEI EN 61439-2	CEI EN 61439-2

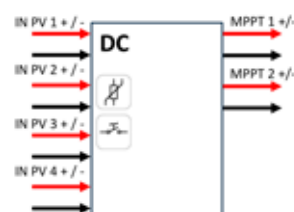
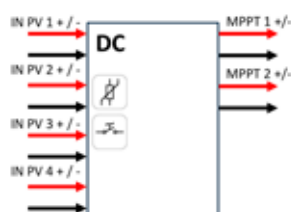
- Up to 4 DC inputs from the Photovoltaic field
- Up to 2 DC outputs to the Photovoltaic inverter
- DC inputs/outputs based on Cabur Line 4 connectors
- Up to 2 MPPT management
- DC surge protective device
- Suitable for 600V or 1000V systems
- CEI EN 61439-2 compliant

PRESENTATION PURPOSE ONLY

PRESENTATION PURPOSE ONLY



VERSION	CODE TYPE	ISB0402CA06	ISB0402CA10
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DC CIRCUIT		
Number of Input (solar strings)	4	4
Number of Outputs MPPT	2	2
Max. Input Voltage	600 (V)	1000 (V)
Max. Current for each string	2 x 12.5 (A)	2 x 12.5 (A)
Max. MPPT output current	25 (A)	25 (A)
Circuit breaker	2	2
DC Thermal magnetic circuit breaker	0	0
Input connection	Cabur Line 4 connectors	Cabur Line 4 connectors
Output connection	Cabur Line 4 connectors	Cabur Line 4 connectors
FUSES		
With fuse holder	No	No
Maximum rate		
Type		
SURGE PROTECTIVE DEVICE		
Nominal voltage Un	600 (V)	1000 (V)
Protection level Up	2000 (V)	3000 (V)
Nominal discharge current 8/20 In	20 (kA)	20 (kA)
GENERAL DATA		
Protection degree	IP65	IP65
Size (including connectors)	295x495x130 (mm)	295x495x130 (mm)
Standard compliancy	CEI EN 61439-2	CEI EN 61439-2

- Up to 2 DC inputs from the Photovoltaic field
- Up to 2 DC outputs to the Photovoltaic inverter
- DC inputs/outputs based on Cabur Line 4 connectors
- Up to 2 MPPT management
- DC surge protective device
- Suitable for 1000V systems
- CE EN 61439-2 compliant

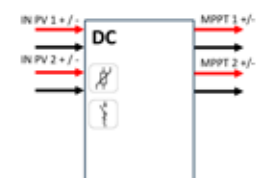
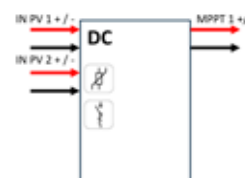
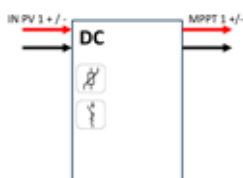
PRESENTATION PURPOSE ONLY

PRESENTATION PURPOSE ONLY

PRESENTATION PURPOSE ONLY



VERSION	CODE TYPE	ISB11CANN00001	ISB21CANN00001	ISB22CANN00001
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DC CIRCUIT				
Number of Input (solar strings)	1	2	2	
Number of Outputs MPPT	1	1	2	
Max. Input Voltage	1000 (V)	1000 (V)	1000 (V)	
Max. Current for each string	14 (A)	2x16 (A)	14 (A)	
Max. MPPT output current	14 (A)	32 (A)	14 (A)	
Circuit breaker	0	0	0	
DC Thermal magnetic circuit breaker	1	1	2	
Input connection	Cabur Line 4 connectors	Cabur Line 4 connectors	Cabur Line 4 connectors	
Output connection	Cabur Line 4 connectors	Cabur Line 4 connectors	Cabur Line 4 connectors	
FUSES				
With fuse holder	No	No	No	
Maximum rate				
Type				
SURGE PROTECTIVE DEVICE				
Nominal voltage Un	1000 (V)	1000 (V)	1000 (V)	
Protection level Up	3000 (V)	3000 (V)	3000 (V)	
Nominal discharge current 8/20 In	20 (kA)	20 (kA)	20 (kA)	
GENERAL DATA				
Protection degree	IP65	IP65	IP65	
Size (including connectors)	275x200x111 (mm)	295x333x129 (mm)	295x495x130 (mm)	
Standard compliancy	CEI EN 61439-2	CEI EN 61439-2	CEI EN 61439-2	

- Up to 4 DC inputs from the Photovoltaic field
- Up to 2 DC outputs to the Photovoltaic inverter
- DC inputs/outputs based on Cabur Line 4 connectors
- Up to 2 MPPT management
- With fuse holders mounted on positive and negative circuits
- DC surge protective device
- Suitable for 1000V systems
- CE EN 61439-2 compliant

PRESENTATION PURPOSE ONLY

PRESENTATION PURPOSE ONLY

PRESENTATION PURPOSE ONLY

(1) Our stringboxes are sell without fuses, the choice of the correct size of fuse is mandatory by the customers



VERSION	CODE TYPE	ISB31CASN00001	ISB41CASN00001	ISB42CANN00001
DC CIRCUIT				
Number of Input (solar strings)		3	4	4
Number of Outputs MPPT		1	1	2
Max. Input Voltage		1000 (V)	1000 (V)	1000 (V)
Max. Current for each string		3x16 (A)	4x12 (A)	2x14 (A)
Max. MPPT output current		48 (A)	52 (A)	28 (A)
Circuit breaker		0	0	0
DC Thermal magnetic circuit breaker		1	1	2
Input connection		Cabur Line 4 connectors	Cabur Line 4 connectors	Cabur Line 4 connectors
Output connection		10 mm² terminal block	10 mm² terminal blocks	Cabur Line 4 connectors
FUSES				
With fuse holder		Yes (1)	Yes (1)	No
Maximum rate		16 (A)	12 (A)	
Type		10x38gPV	10x38gPV	
SURGE PROTECTIVE DEVICE				
Nominal voltage Un		1000 (V)	1000 (V)	1000 (V)
Protection level Up		3000 (V)	3000 (V)	3000 (V)
Nominal discharge current 8/20 In		20 (kA)	20 (kA)	20 (kA)
GENERAL DATA				
Protection degree		IP65	IP65	IP65
Size (including connectors)		403x370x130 (mm)	403x370x130 (mm)	295x495x130 (mm)
Standard compliancy		CEI EN 61439-2	CEI EN 61439-2	CEI EN 61439-2

DC switchboards with release coil are placed between the inverters and the photovoltaic panels, and act as protection for both. The presence of the release coil like accessory of circuit breaker or thermal magnetic switch, allow to remotely disconnect the strings when is necessary (for turn on the DC circuit you must work on the circuit breaker or thermal magnetic switch).

The compact design and the presence of photovoltaic connectors facilitate and speed up the installation phase.

All components are already wired, avoiding the installer to operate directly on them.

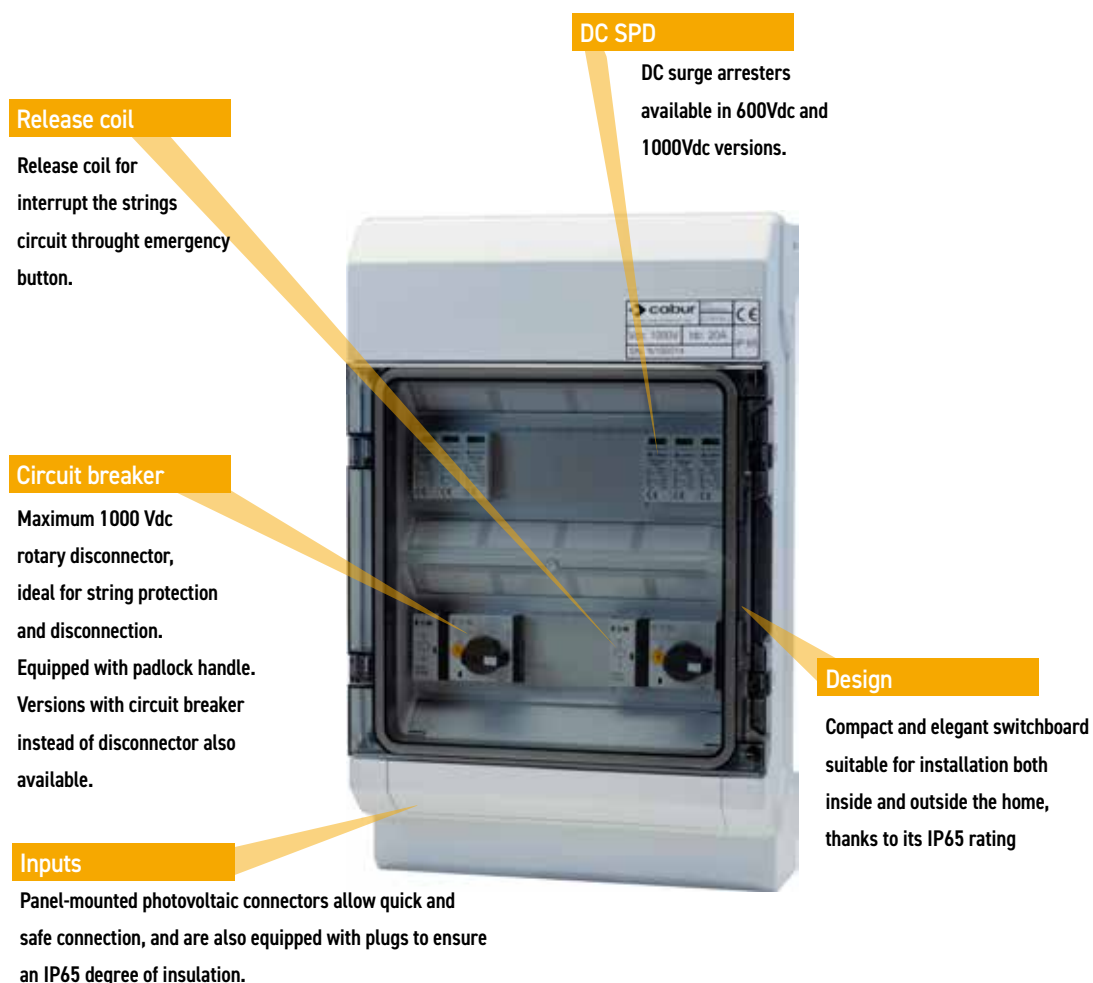
The switchboard is designed according to the latest regulations.

The declaration of conformity of each switchboard can be downloaded from our website.

Customized switchboards available based on customer requirements.

Please note that the choice of switchboard is left to the customer and depends on the type of system, the inverter and the overall power of the system.

For further information please contact our sales department.

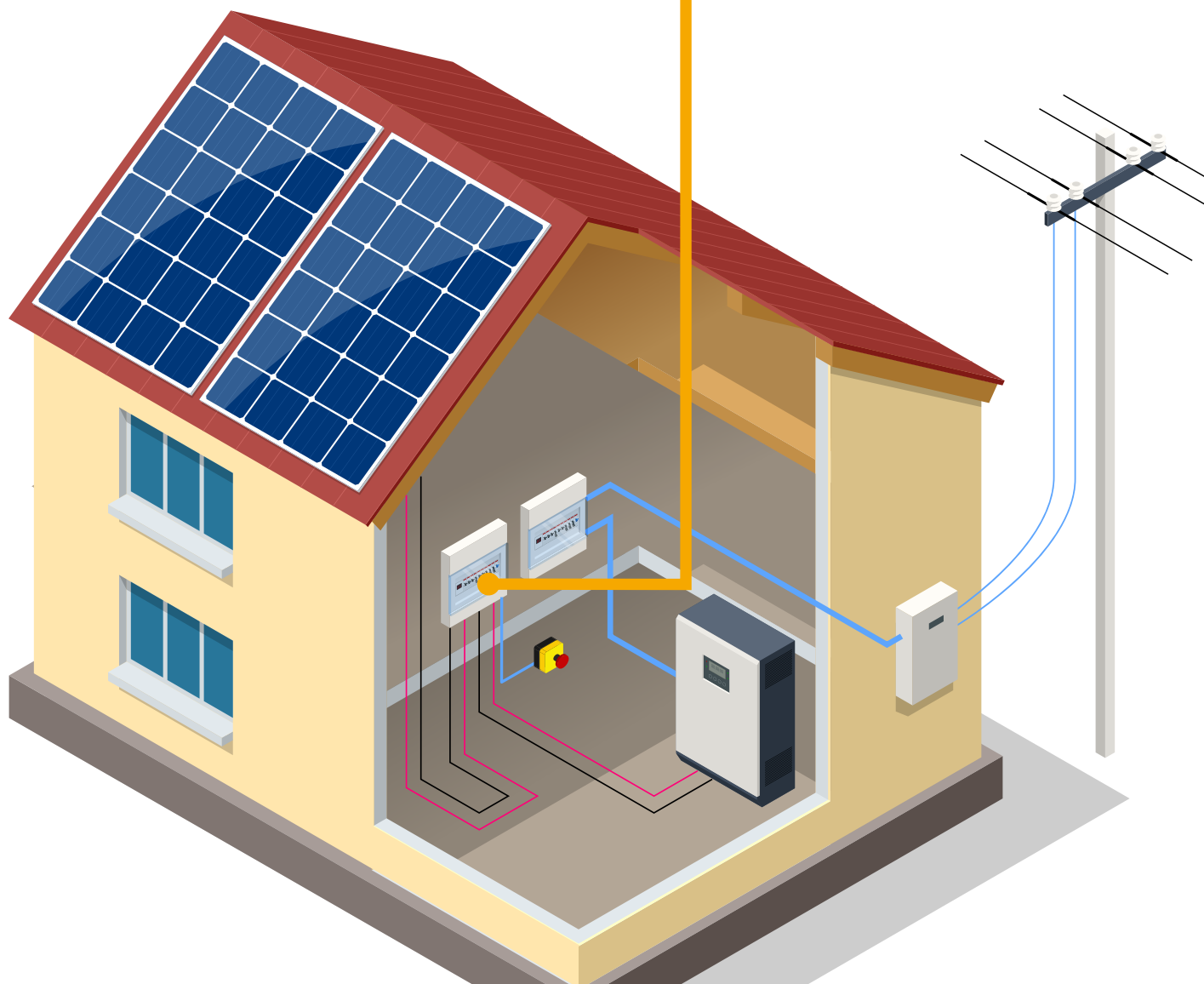


Recommended uses:

- Medium to small photovoltaic systems
- Revamping of existing systems

Main features:

- Suitable for single-phase or three-phase installations (provide dedicated AC panel)
- Can be combined with the ISS line
- Presence of release coil for remote string disconnection
- Up to 16 inputs operated by a single parallel switch or to independent switches.
- Up to 2 MPPT outputs
- EN 61439-2 certified
- Easy installation
- High quality components

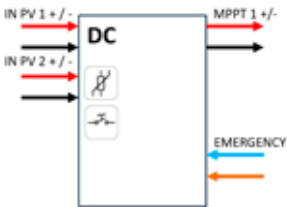
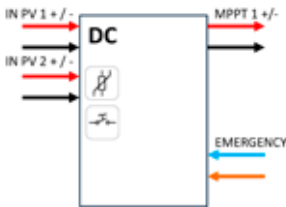


- Up to 2 DC inputs from the Photovoltaic field
- 1 DC outputs to the Photovoltaic inverter
- DC inputs/outputs based on Cabur Line 4 connectors
- 1 MPPT management
- DC surge protective device
- Suitable for 600V or 1000V systems
- With 230Vac release coil
- CEI EN 61439-2 compliant

PRESENTATION PURPOSE ONLY

PRESENTATION PURPOSE ONLY



VERSION	CODE TYPE	ISA0201CA06	ISA0201CA10
			
DC CIRCUIT			
Number of Input (solar strings)		2	2
Number of Outputs MPPT		1	1
Max. Input Voltage		600 (V)	1000 (V)
Max. Current for each string		10 (A)	10 (A)
Max. MPPT output current		20 (A)	20 (A)
Circuit breaker		1	1
DC Thermal magnetic circuit breaker		0	0
Release Coil		230 (Vac)	230 (Vac)
Input connection		Cabur Line 4 connectors	Cabur Line 4 connectors
Output connection		Cabur Line 4 connectors	Cabur Line 4 connectors
FUSES			
With fuse holder		No	No
Maximum rate			
Type			
SURGE PROTECTIVE DEVICE			
Nominal voltage Un		600 (V)	1000 (V)
Protection level Up		2000 (V)	3000 (V)
Nominal discharge current 8/20 In		20 (kA)	20 (kA)
GENERAL DATA			
Protection degree		IP65	IP65
Size (including connectors)		275x200x111 (mm)	275x200x111 (mm)
Standard compliancy		CEI EN 61439-2	CEI EN 61439-2

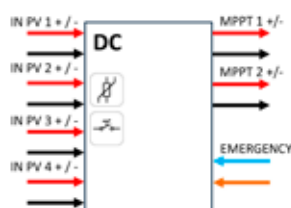
- Up to 4 DC inputs from the Photovoltaic field
- Up to 2 DC outputs to the Photovoltaic inverter
- DC inputs/outputs based on Cabur Line 4 connectors
- Up to 2 MPPT management
- DC surge protective device
- Suitable for 600V or 1000V systems
- With 230Vac release coil
- CEI EN 61439-2 compliant

PRESENTATION PURPOSE ONLY

PRESENTATION PURPOSE ONLY



VERSION	CODE TYPE	ISA0402CA06	ISA0402CA10
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DC CIRCUIT		
Number of Input (solar strings)	4	4
Number of Outputs MPPT	2	2
Max. Input Voltage	600 (V)	1000 (V)
Max. Current for each string	12.5 (A)	12.5 (A)
Max. MPPT output current	25 (A)	25 (A)
Circuit breaker	2	2
DC Thermal magnetic circuit breaker	0	0
Release Coil	230 (Vac)	230 (Vac)
Input connection	Cabur Line 4 connectors	Cabur Line 4 connectors
Output connection	Cabur Line 4 connectors	Cabur Line 4 connectors
FUSES		
With fuse holder	No	No
Maximum rate		
Type		
SURGE PROTECTIVE DEVICE		
Nominal voltage Un	600 (V)	1000 (V)
Protection level Up	2000 (V)	3000 (V)
Nominal discharge current 8/20 In	20 (kA)	20 (kA)
GENERAL DATA		
Protection degree	IP65	IP65
Size (including connectors)	295x495x130 (mm)	295x495x130 (mm)
Standard compliancy	CEI EN 61439-2	CEI EN 61439-2

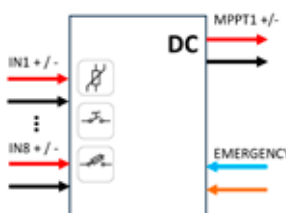
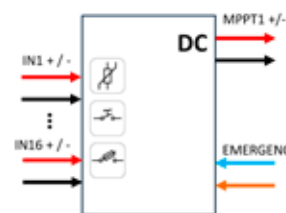
- Up to 16 DC inputs from the Photovoltaic field
- 1 DC outputs to the Photovoltaic inverter
- DC inputs/outputs based on Cabur Line 4 connectors
- 1 MPPT management
- DC surge protective device
- Suitable for 1000V systems
- With fuse holders mounted on positive and negative circuits
- With 230Vac release coil
- CEI EN 61439-2 compliant

PRESENTATION PURPOSE ONLY

PRESENTATION PURPOSE ONLY



(1) Our stringboxes are sell without fuses, the choice of the correct size of fuse is mandatory by the customers.

VERSION	CODE TYPE	ISA0801CA10	ISA0801CA10	ISA161CSSN00001
				
DC CIRCUIT				
Number of Input (solar strings)		8		16
Number of Outputs MPPT		1		1
Max. Input Voltage		1000 (V)		1000 (V)
Max. Current for each string		10 (A)		12 (A)
Max. MPPT output current		80 (A)		192 (A)
Circuit breaker		1		1
DC Thermal magnetic circuit breaker		0		0
Release Coil		230 (Vac)		230 (Vac)
Input connection		Cabur Line 4 connectors		Cabur Line 4 connectors
Output connection		35mm² terminal block		35mm² terminal block
FUSES				
With fuse holder		Yes (1)		Yes (1)
Maximum rate		10 (A)		12 (A)
Type		10x38gPV		10x38gPV
SURGE PROTECTIVE DEVICE				
Nominal voltage Un		1000 (V)		1000 (V)
Protection level Up		3000 (V)		3000 (V)
Nominal discharge current 8/20 In		20 (kA)		20 (kA)
GENERAL DATA				
Protection degree		IP65		IP65
Size (including connectors)		504x434x210 (mm)		650x616x320 (mm)
Standard compliancy		CEI EN 61439-2		CEI EN 61439-2

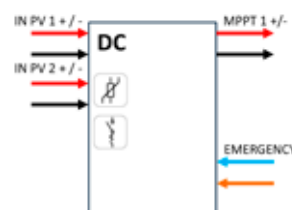
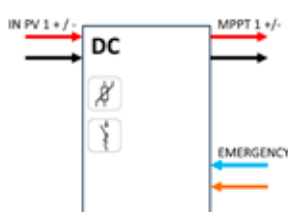
- Up to 2 DC inputs from the Photovoltaic field
- 1 DC outputs to the Photovoltaic inverter
- DC inputs/outputs based on Cabur Line 4 connectors
- 1 MPPT management
- DC surge protective device
- Suitable for 1000V systems
- With 230 Vac release coil
- CE EN 61439-2 compliant

PRESENTATION PURPOSE ONLY

PRESENTATION PURPOSE ONLY



VERSION	CODE TYPE	ISA11CANN00001	ISA11CANN00001	ISA21CANN00001	ISA21CANN00001
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DC CIRCUIT			
Number of Input (solar strings)		1	2
Number of Outputs MPPT		1	1
Max. Input Voltage		1000 (V)	1000 (V)
Max. Current for each string		14 (A)	2x16 (A)
Max. MPPT output current		14 (A)	32 (A)
Circuit breaker		0	0
DC Thermal magnetic circuit breaker		1	1
Release Coil		230 (Vac)	230 (Vac)
Input connection		Cabur Line 4 connectors	Cabur Line 4 connectors
Output connection		Cabur Line 4 connectors	Cabur Line 4 connectors
FUSES			
With fuse holder		No	No
Maximum rate			
Type			
SURGE PROTECTIVE DEVICE			
Nominal voltage Un		1000 (V)	1000 (V)
Protection level Up		3000 (V)	3000 (V)
Nominal discharge current 8/20 In		20 (kA)	20 (kA)
GENERAL DATA			
Protection degree		IP65	IP65
Size (including connectors)		295x333x129 (mm)	295x333x129 (mm)
Standard compliancy		CEI EN 61439-2	CEI EN 61439-2

- Up to 3 DC inputs from the Photovoltaic field
- Up to 2 DC output to the Photovoltaic inverter
- DC inputs/outputs based on Cabur Line 4 connectors
- Up to 2 MPPT management
- With fuse holders mounted on positive and negative circuits
- DC surge protective device
- Suitable for 1000V systems
- With 230 Vac release coil
- CE EN 61439-2 compliant

PRESENTATION PURPOSE ONLY

PRESENTATION PURPOSE ONLY



(1) Our stringboxes are sell without fuses, the choice of the correct size of fuse is mandatory by the customers

VERSION	CODE TYPE	ISA22CANN00001	ISA31CASN00001
			
DC CIRCUIT			
Number of Input (solar strings)		2	3
Number of Outputs MPPT		2	1
Max. Input Voltage		1000 (V)	1000 (V)
Max. Current for each string		14 (A)	3x16 (A)
Max. MPPT output current		14 (A)	48 (A)
Circuit breaker		0	0
DC Thermal magnetic circuit breaker		2	1
Release Coil		230 (Vac)	230 (Vac)
Input connection		Cabur Line 4 connectors	Cabur Line 4 connectors
Output connection		Cabur Line 4 connectors	10 mm ² terminal block
FUSES			
With fuse holder		No	Yes (1)
Maximum rate			16 (A)
Type			10x38gPV
SURGE PROTECTIVE DEVICE			
Nominal voltage Un		1000 (V)	1000 (V)
Protection level Up		3000 (V)	3000 (V)
Nominal discharge current 8/20 In		20 (kA)	20 (kA)
GENERAL DATA			
Protection degree		IP65	IP65
Size (including connectors)		295x495x130 (mm)	403x370x130 (mm)
Standard compliancy		CEI EN 61439-2	CEI EN 61439-2

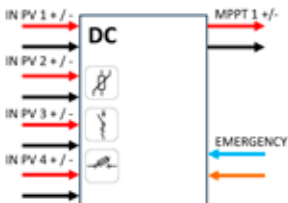
- Up to 4 DC inputs from the Photovoltaic field
- Up to 2 DC outputs to the Photovoltaic inverter
- DC inputs/outputs based on Cabur Line 4 connectors
- Up to 2 MPPT management
- With fuse holders mounted on positive and negative circuits
- DC surge protective device
- Suitable for 1000V systems
- With 230 Vac release coil
- CE EN 61439-2 compliant

PRESENTATION PURPOSE ONLY

PRESENTATION PURPOSE ONLY



(1) Our stringboxes are sold without fuses, the choice of the correct size of fuse is mandatory by the customers

VERSION	CODE TYPE	ISA41CASN00001	ISA42CANN00001
			
DC CIRCUIT			
Number of Input (solar strings)	4	4	4
Number of Outputs MPPT	1	2	2
Max. Input Voltage	1000 (V)	1000 (V)	1000 (V)
Max. Current for each string	4x12 (A)	2x14 (A)	2x14 (A)
Max. MPPT output current	52 (A)	28 (A)	28 (A)
Circuit breaker	0	0	0
DC Thermal magnetic circuit breaker	1	2	2
Release Coil	230 (Vac)	230 (Vac)	230 (Vac)
Input connection	Cabur Line 4 connectors	Cabur Line 4 connectors	Cabur Line 4 connectors
Output connection	10 mm ² terminal blocks	Cabur Line 4 connectors	Cabur Line 4 connectors
FUSES			
With fuse holder	Yes (1)	No	No
Maximum rate	12 (A)		
Type	10x38gPV		
SURGE PROTECTIVE DEVICE			
Nominal voltage Un	1000 (V)	1000 (V)	1000 (V)
Protection level Up	3000 (V)	3000 (V)	3000 (V)
Nominal discharge current 8/20 In	20 (kA)	20 (kA)	20 (kA)
GENERAL DATA			
Protection degree	IP65	IP65	IP65
Size (including connectors)	403x370x130 (mm)	295x495x130 (mm)	295x495x130 (mm)
Standard compliancy	CEI EN 61439-2	CEI EN 61439-2	CEI EN 61439-2

Surge Protection Devices

Components for protection of DC and AC circuits.

PV generation plants are highly exposed to atmospheric phenomena and therefore also to lightning. It is therefore necessary to provide protection to avoid damage due to natural electrical discharges or, in any case, to overvoltage phenomena in general.

Cabur's ISPD range of surge arresters guarantees the level of protection depending on the structure of the system itself up to 1500Vdc.

State signalling

At any time it is possible to check the integrity of the SPD, if the colour is green the device is still working correctly, if it is red it must be replaced.

Dry contact

It is possible to monitor the state of the SPD by carrying the contact signal to a control unit.

Screw connection

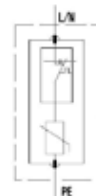
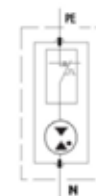
By means of special screw clamps, a quick and safe connection can be made.



- For single phase and three phase systems

(1) the fuses is not mandatory on all plants, if it's necessary choose one that match correctly with the system

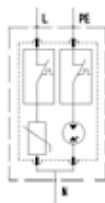
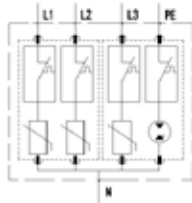


VERSION	CODE TYPE	ISPD275AC1P	ISPD440AC1P	ISPD255ACNPE
SCHEME				
TECHNICAL FEATURES				
Test class		II	II	II
Type of Network		TN, IT, TT	TN, IT, TT	TN, IT, TT
Nominal voltage Un		220 - 230 (V)	230 - 400 (V)	220 - 230 (V)
Max. continuous voltage		275 (V)	440 (V)	255 (V)
Working frequency		50 - 60 (Hz)	50 - 60 (Hz)	50 - 60 (Hz)
Max. Discharge current (8/20μs)		60 (kA)	60 (kA)	60 (kA)
Nominal discharge current (8/20μs)		30 (kA)	30 (kA)	30 (kA)
Voltage protection level at In		1.5 (kV)	2.2 (kV)	1.5 (kV)
Protection mode		L/N-PE	L/N-PE	N-PE
Isolation resistance		> 10 ² (MΩ)	> 10 ² (MΩ)	> 10 ² (MΩ)
Response time		≤ 25 (ns)	≤ 25 (ns)	≤ 100 (ns)
Recommended back-up fuse		125 (1) (A)	125 (1) (A)	125 (1) (A)
Max. cables section		25 (mm ²)	25 (mm ²)	25 (mm ²)
Mounting Guida TH35		Yes	Yes	Yes
Working temperature		-40...+70 °C	-40...+70 °C	-40...+70 °C
Protection degree		IP20	IP20	IP20
Housing material		PPO	PPO	PPO
Inflammability class		UL94-V0	UL94-V0	UL94-V0
Remote control contact				
Dimensions (LxHxD)		18x90x66	18x90x66	18x90x66
Quantity / Package		1 piece	1 piece	1 piece
FAULT INDICATOR				
Green LED		OK	OK	OK
Red LED		Fail	Fail	Fail
APPROVALS AND MARKINGS		CE	CE	CE
ACCESSORIES				
2 poles		9000582	9000582	9000582
3 poles		9000583	9000583	9000583
4 poles		9000584	9000584	9000584

- For single phase and three phase systems
- Phase and neutral connection in one cartridge
- Compact sizes

(1) the fuses is not mandatory on all plants, if it's necessary choose one that match correctly with the system

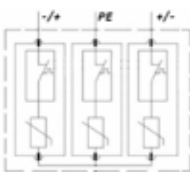
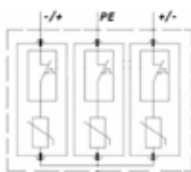
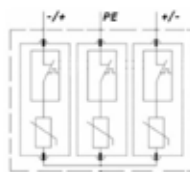


VERSION	CODE TYPE	ISPD275AC1PNPE	ISPD440AC3PNPE
SCHEME			
TECHNICAL FEATURES			
Test class	II	II	II
Type of Network	TN, IT, TT	TN, IT, TT	TN, IT, TT
Nominal voltage Un	220 - 230 (V)	230 - 400 (V)	230 - 400 (V)
Max. continuous voltage	275 (V)	440 (V)	440 (V)
Working frequency	50 - 60 (Hz)	50 - 60 (Hz)	50 - 60 (Hz)
Max. Discharge current (8/20μs)	40 (kA)	40 (kA)	40 (kA)
Nominal discharge current (8/20μs)	20 (kA)	20 (kA)	20 (kA)
Voltage protection level at In	1.5 (kV)	1.5 (kV)	1.5 (kV)
Protection mode	L - N / N - PE	L1, L2, L3 - N / N - PE	L1, L2, L3 - N / N - PE
Isolation resistance	> 10 ² (MΩ)	> 10 ² (MΩ)	> 10 ² (MΩ)
Response time	≤ 25 (ns)	≤ 25 (ns)	≤ 25 (ns)
Recommended back-up fuse	125 (1) (A)	125 (1) (A)	125 (1) (A)
Max. cables section	25 (mm ²)	25 (mm ²)	25 (mm ²)
Mounting Guida TH35	Yes	Yes	Yes
Working temperature	-40...+70 °C	-40...+70 °C	-40...+70 °C
Protection degree	IP20	IP20	IP20
Housing material	PPO	PPO	PPO
Inflammability class	UL94-V0	UL94-V0	UL94-V0
Remote control contact			
Dimensions (LxHxD)	18x90x66	36x90x68	36x90x68
Quantity / Package	1 piece	1 piece	1 piece
FAULT INDICATOR			
Green LED			
Red LED	Fail	Fail	Fail
APPROVALS AND MARKINGS		CE	CE
ACCESSORIES			
2 poles	-	-	-
3 poles	-	-	-
4 poles	-	-	-

- 600V, 1000V or 1500V

(1) the fuses is not mandatory on all plants, if it's necessary choose one that match correctly with the system



VERSION	CODE TYPE	ISPD600DC3P	ISPD1000DC3P	ISPD1500DC3P
		ISPD600DC3P	ISPD1000DC3P	ISPD1500DC3P
SCHEME				
TECHNICAL FEATURES				
Test class		II	II	II
Type of Network				
Nominal voltage Un		600 (V)	1000 (V)	1500 (V)
Max. continuous voltage		670 (V)	1060 (V)	1500 (V)
Working frequency				
Max. Discharge current (8/20μs)		40 (kA)	40 (kA)	40 (kA)
Nominal discharge current (8/20μs)		20 (kA)	20 (kA)	20 (kA)
Voltage protection level at In		2.4 (kV)	3.6 (kV)	3.6 (kV)
Protection mode				
Isolation resistance		> 10 ² (MΩ)	> 10 ² (MΩ)	> 10 ² (MΩ)
Response time		≤ 25 (ns)	≤ 25 (ns)	≤ 25 (ns)
Recommended back-up fuse		125 (1) (A)	125 (1) (A)	125 (1) (A)
Max. cables section		25 (mm ²)	25 (mm ²)	25 (mm ²)
Mounting Guida TH35		Yes	Yes	Yes
Working temperature		-40...+70 °C	-40...+70 °C	-40...+70 °C
Protection degree		IP20	IP20	IP20
Housing material		PPO	PPO	PPO
Inflammability class		UL94-V0	UL94-V0	UL94-V0
Remote control contact		Yes	Yes	Yes
Dimensions (LxHxD)		36x90x68	36x90x68	36x90x68
Quantity / Package		1 piece	1 piece	1 piece
FAULT INDICATOR				
Green LED		OK	OK	OK
Red LED		Fail	Fail	Fail
APPROVALS AND MARKINGS				
		CE	CE	CE
ACCESSORIES				
2 poles		-	-	-
3 poles		-	-	-
4 poles		-	-	-

Accessories

- Mounting on DIN rail
- Designed for block the reverse current on the photovoltaic strings



VERSION	CODE TYPE	ISDS3516	ISDS102	9000395
		KXDS3516	KXDS102	T20HF220
SCHEME				
Insulation voltage towards the DIN rail		3 (kVac)	3 (kVac)	5 (kVac)
Max. string voltage		800 (Vdc)	1000 (Vdc)	2200 (Vdc)
Max. continuous current at 25°C		10 (A)	10 (A)	20 (A)
Dissipated power		8 (W)	16 (W)	20 (W)
Mounting		DIN rail TH35	DIN rail TH35	On metal plate
Connections		6.3 faston	6.3 faston	Wire terminals
Size (LxHxP)		24x77x80 (mm)	24x77x80 (mm)	24x41x25 (mm)
Weight		235 (g)	235 (g)	54 (g)
Pack quantity		10 pcs	10 pcs	10 pcs
Approvals				

PRE-ASSEMBLED CABLE

Cabur makes pre-assembled cables with photovoltaic connectors on request.
Cables from 4 to 10 mm² in red and black colours are available.
For more information, contact our sales office.

- Nominal voltage: 750 Vac - 1000 Vdc
- Interruption power 100 kA



VERSION	CODE TYPE	9000401	9000402	9000403	9000404	9000405	9000406	9000407
		DCT1-2	DCT2-2	DCT3-2	DCT4-2	DCT5-2	DCT6-2	DCT7-2
Nominal current		1 (A)	2 (A)	3 (A)	4 (A)	5 (A)	6 (A)	7 (A)
Q.ty / package		10	10	10	10	10	10	10
Approvals		 	 	 	 	 	 	 



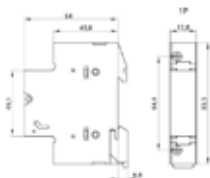
VERSION	CODE TYPE	9000408	9000409	9000410	9000411	9000412	9000413	9000414
		DCT8-2	DCT10-2	DCT12-2	DCT15-2	DCT20-2	DCT25-2	DCT30-2
Nominal current		8 (A)	10 (A)	12 (A)	15 (A)	20 (A)	25 (A)	30 (A)
Q.ty / package		10	10	10	10	10	10	10
Approvals		 	 	 	 	 	 	 

- Ideal solution for use inside photovoltaic plants
- Fuseholders for gPV cylindrical fuses
- Suitable for 1000V systems



VERSION	CODE TYPE	9000446
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SCHEME



N poles	1
Continuous current	20 (A)
Rated voltage	1000 (V)
Maximum cable section	10 (mm ²)
Massima potenza dissipabile dal fusibile	3 (W)
Maximum power dissipation of the inserted fuse	80 (°C)
Mounting	On omega TH35 rail
Quantity / Package	12

Approvals

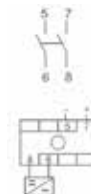


- Ideal for photovoltaic plants
- Lockable handle
- Suitable for 1000V systems



VERSION	CODE TYPE	ISSD100016S
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SCHEME



Number of poles	2
Utilization category	DC-PV1 / DC-PV2
Rated Insulation Voltage IEC/EN	1000 Vdc
Rated impulse withstand voltage Uimp	8 kV
Continuous current	16 A
Rated short-circuit current Icw	1000 A
Max. power dissipation for poles	0.30 W
Mechanical life	10000 cycles
Nut Cap locking force	1.2 - 1.8 Nm
Cables Section	
Solid Cable	4 - 16 mm ²
Flexible cable	4 - 10 mm ²
Working temperature	-40...+85 °C
Ambient temperature range (storage)	-40...+85°C
Lockable	Yes
Protection degree	IP66
Overvoltage category / pollution degree	II
Standard compliancy	IEC/EN 60947-3:2021
Dimension	94.9×60.2×84.5 mm

Approvals



Solar Fix anchor brackets

Fixing systems for photovoltaic panels for corrugated roofs.

- **The Brackets** are light and easy to handle, to transport on site and to lift at roof level
- **The material** is not subject to oxidation, corrosion and UV degradation. It is resistant to low and high temperatures that can occur on roofs
- **The fixing structure** isolates the system from the fret-sheet cover, preventing corrosion of metals due to galvanic coupling
- **Assembly** is quick and easy
- **The particular installation method** of the IS FIX anchor brackets leaves under the photovoltaic field a gap of air not hindered by secondary structures. The ventilation, cooling the solar panels, increases their efficiency
- **Mechanical resistance** tested and by DEKRA GmbH laboratories



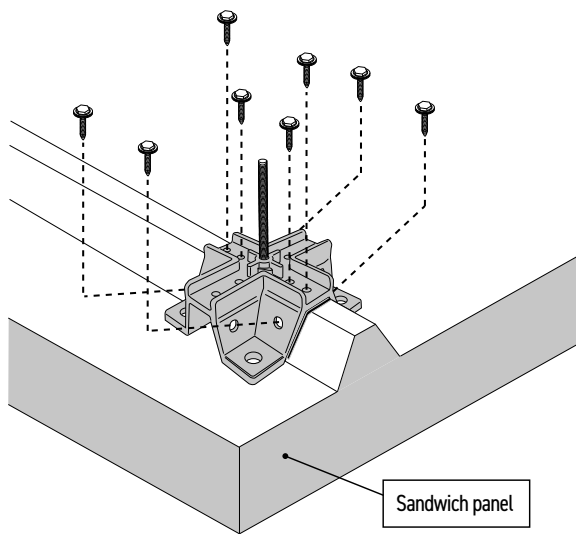


Fig. A - Anchor bracket fixing on fret-shaped panel
(self-drilling screws not included)

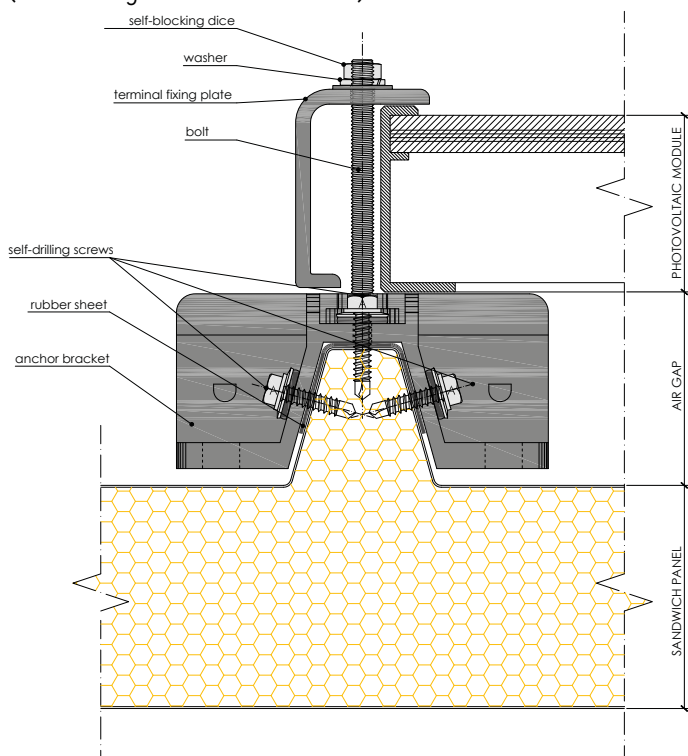


Fig. C - fixing with terminal plate
To be used at beginning-end of the photovoltaic module row

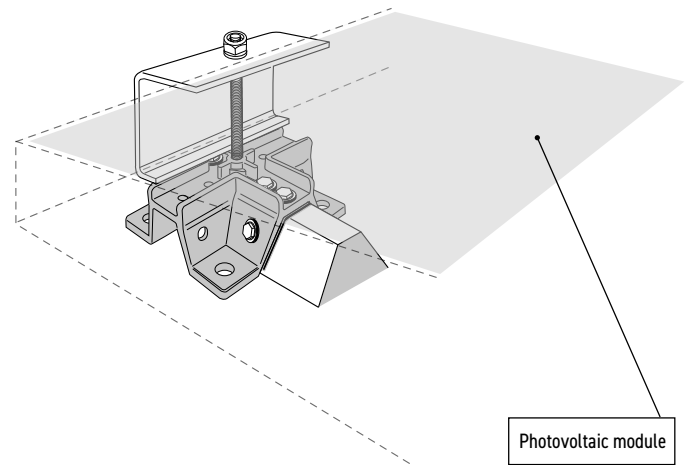


Fig. B - Phovoltaic module fixing between bracket
and terminal plate

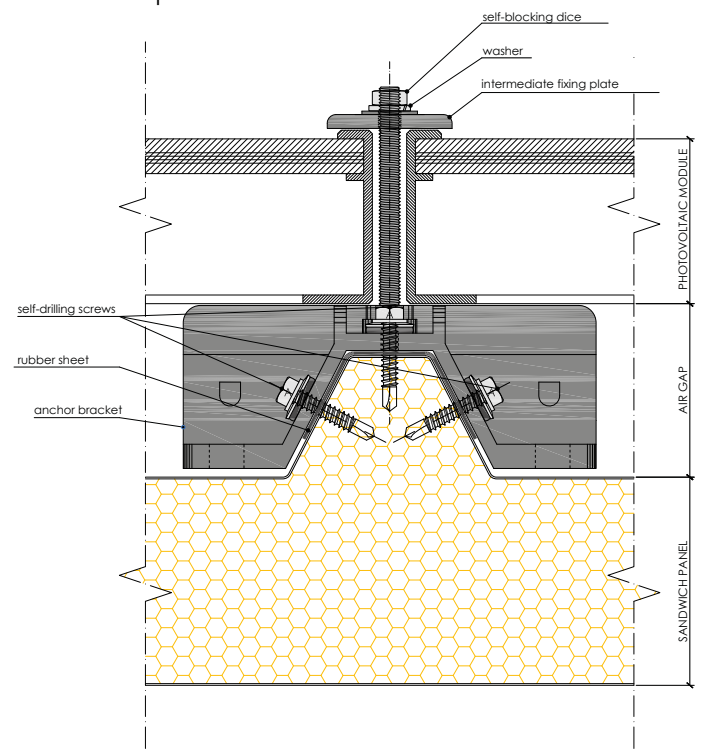
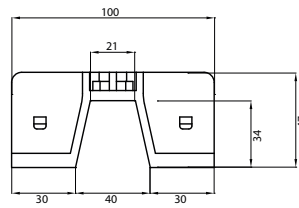
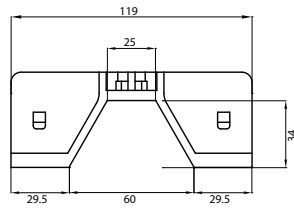


Fig. D - fixing with intermediate plate
To be used between 2 photovoltaic modules

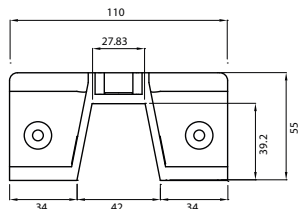
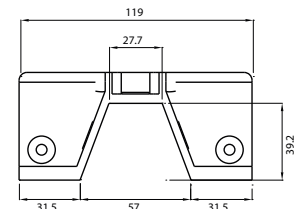


BRACKET TYPE A

Code **ISFIX00**Anchor Bracket type A and rubber sheet
110x130 mm (no other accessory included)

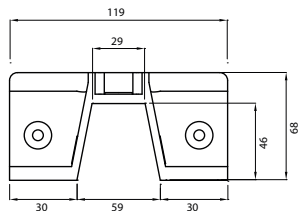
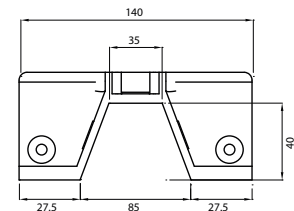
20 PCS per pack

BRACKET TYPE B

Code **ISFIX00B**Anchor Bracket type B and rubber sheet
110x130 mm (no other accessory included)

20 PCS per pack

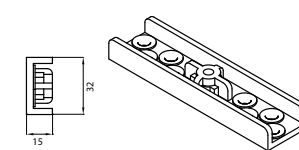
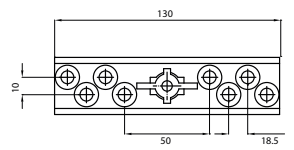
BRACKET TYPE C

Code **ISFIX00C**Anchor Bracket type C and rubber sheet
110x130 mm (no other accessory included)

20 PCS per pack

Can only be combined with stainless steel end plates codes ISFIXSPAZ*

BRACKET TYPE D

Code **ISFIX00D**Anchor Bracket type D and rubber sheet
110x130 mm (no other accessory included)

20 PCS per pack

NOTE: The drawings are purely indicative. The proportions may not correspond to the real ones.
Please refer to the above quotes for dimensions.

NUMBER OF BRACKETS CALCULATION

To calculate the quantities, the following must be considered:

- the number of PV panels (P) contained in each row
- the number of rows of panels (N)
- the number of strings (Sr)

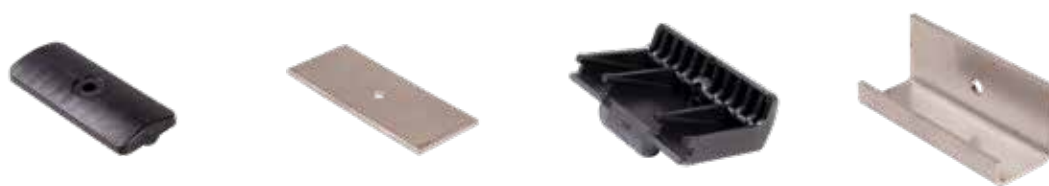
Calculation of the number of brackets (B):

- for 1 row of panels: $B = 2P + 2$
- if the string consists of N rows: $B = N(2P + 2)$
- if Sr is the number of strings in the system:
 $B = Sr N(2P + 2)$

NOTE: The formulas shown provide the exact number of brackets needed for square or rectangular strings with continuous structure that is, without empty spaces inside them. For strings having different or irregular shapes, the formulas provide a purely indicative value.

ATTENTION: to ensure maximum adaptability of the Solar Fix system to the specific needs of each PV plant, the brackets are delivered without the plates and the screws, which will need to be selected based on the height and arrangement of the panels. Accordingly, each component will have to be ordered (brackets, plates, bolts - while self drilling screws are never included).

HOW TO ORDER: each package contains bracket and its rubber sheet (20 pcs per pack). It does not contain plates, bolts and components accessories, which must be ordered separately.



FIXING PLATES (20 PCS PER PACK)

PV MODULE THICKNESS	INTERMEDIATE		TERMINAL	
	PLASTIC MATERIAL	STAINLESS STEEL	PLASTIC MATERIAL	STAINLESS STEEL
31 mm	ISFIXSPPLI	ISFIXSPAZI	ISFIXSPPL31T	ISFIXSPA31T
35 mm			ISFIXSPPL35T	ISFIXSPA35T
38 mm			ISFIXSPPL38T	ISFIXSPA38T
40 mm			ISFIXSPPL40T	ISFIXSPA40T
42 mm			ISFIXSPPL42T	ISFIXSPA42T
46 mm			ISFIXSPPL46T	ISFIXSPA46T
50 mm			ISFIXSPPL50T	ISFIXSPA50T

ATTENTION: the type C bracket code ISFIX00C can only be combined with stainless steel end plates code ISFIXSPA3*



FIXING BOLTS

Code	ISFIXVTAZ60	ISFIXVTAZ65	ISFIXVTAZ70	ISFIXVTAZ75
Description	M6 x 60 mm screw included of nut and washer	M6 x 65 mm screw included of nut and washer	M6 x 70 mm screw included of nut and washer	M6 x 75 mm screw included of nut and washer
PV module thickness (mm)	31	35-38	40-42	46-50
Qty per pack	100	100	100	100

The fixing of photovoltaic modules on fret-shaped sandwich panels - metal insulation metal or metal only - requires the use of anchor brackets (type A, type B, type C, type D) and necessary components, to be selected based on the characteristics of the PV plant.

- Select the plate model based on the material chosen (plastic or stainless steel)
- Select the number of plates per type [intermediate and terminal] basing on the number and lay-out of PV modules and strings
- Select the type of terminal plates and the type of screws according to the PV modules thickness



EV Smart Charger electric vehicle charging stations



	COMPACT SERIE	EVO SERIE	
Part number	EVCOMP7S	EVEV07C	EVEV07S
Power	3.5-7.4kW	3.5-7.4kW	3.5-7.4kW
Charging mode	MODE 3 CASE B (type 2 socket)	MODE 3 CASE C (5m cable)	MODE 3 CASE B (type 2 socket)
Cable connector / socket	Type 2		
Dimensions (W x H x D)	160x210x126 mm	260x260x100 mm	260x260x100 mm
Weight	2.3 kg	5.00 kg	2.5 kg
Cooling system	Natural air flow		
Mounting	Wall	Wall / Pole	Wall / Pole
TECHNICAL SPECIFICATIONS			
Main voltage	230 V ±15% (monophase)	230 V ±15% (monophase)	230 V ±15% (monophase)
Supply net type	TN/TT/IT (1P+N+T or 2P+T) IT supported only for phase to phase voltage < 240V		
Earth leakage protection	DC Leak (6 mA)		
Start/stop recharge	Plug in to charge	Free access – App control – RFID control – OCPP control	Free access – App control – RFID control – OCPP control
Status indicator	LED indicator (green, red, blue)		
Power metering	No	Electronic measurement	
Connectivity	Wifi (Access Point) Hotspot	Wifi, Ethernet, 4G, Bluetooth	
Power Management	Static (Max power setting by Web App or selector)	Dynamic (with external Power Meter) / Static	
OCPP protocol	No	OCPP 1.6J	
Reporting	Recharge report – Error report		
Integrated protections	Overcurrent protection; Overvoltage protection; Undervoltage protection; Relay over temperature protection; Socket or plug over temperature protection; Cable damage protection; Relay fault protection		
IP degree	IP54	IP65	IP55
IK Protection degree (20°C)	IK10		
Operating temperature	-25°C +50°C	-30°C +50°C	
Operating humidity	<95%UR		
ADDITIONAL FEATURES			
Photovoltaic support	Compatible with photovoltaic systems		
Time schedule		Scheduled start/stop charging time	
Dry contact	Remote start/stop charge control		



	EVO SERIE			
Part number	EVEV011C	EVEV011S	EVEV022C	EVEV022S
Power	3.5-11kW (limited at 4kW in 1-phase)	3.5-11kW (limited at 4kW in 1-phase)	3.5-22kW	3.5-22kW
Charging mode	MODE 3 CASE C (5m cable)	MODE 3 CASE B (type 2 socket)	MODE 3 CASE C (5m cable)	MODE 3 CASE B (type 2 socket)
Cable connector / socket	Type 2			
Dimensions (W x H x D)	260x260x100 mm	260x260x100 mm	260x260x100 mm	260x260x100 mm
Weight	5.20 kg	2.70 kg	5.30 kg	2.80 kg
Cooling system	Natural air flow			
Mounting	Wall / Pole	Wall / Pole	Wall / Pole	Wall / Pole
TECHNICAL SPECIFICATIONS				
Main voltage	400 V ±15% (threephase) 230 V ±15% (monophase)	400 V ±15% (threephase) 230 V ±15% (monophase)	400 V ±15% (threephase) 230 V ±15% (monophase)	400 V ±15% (threephase) 230 V ±15% (monophase)
Supply net type	TN/TT/IT (3P+N+T) TN/TT/IT (1P+N+T o 2P+T)			
Earth leakage protection	DC Leak (6 mA)			
Start/stop recharge	Free access – App control – RFID control – OCPP control			
Status indicator	LED indicator (green, red, blue)			
Power metering	Electronic measurement			
Connectivity	Wifi, Ethernet, 4G, Bluetooth			
Power Management	Dynamic (with external Power Meter) / Static			
OCPP protocol	OCPP 1.6J			
Reporting	Recharge report – Error report			
Integrated protections	Overcurrent protection; Overvoltage protection; Undervoltage protection; Relay over temperature protection; Socket or plug over temperature protection; Cable damage protection; Relay fault protection			
IP degree	IP65	IP55	IP65	IP55
IK Protection degree (20°C)	IK10			
Operating temperature	-30°C +50°C			
Operating humidity	≤95%UR			
ADDITIONAL FEATURES				
Photovoltaic support	Compatible with photovoltaic systems			
Time schedule	Scheduled start/stop charging time			
Dry contact	Remote start/stop charge control			



SERIE PLUS

Part number	EVPLUS7C	EVPLUS7S	EVPLUS22C	EVPLUS22S
Power	3.5-7.4kW	3.5-7.4kW	3.5-22kW	3.5-22kW
Charging mode	MODE 3 CASE C (5m cable)	MODE 3 CASE B (type 2 socket)	MODE 3 CASE C (5m cable)	MODE 3 CASE B (type 2 socket)
Cable connector / socket	Type 2			
Dimensions (W x H x D)	355x650x150 mm	355x650x150 mm	355x650x150 mm	355x650x150 mm
Weight	11 kg	9 kg	12.5 kg	9.5 kg
Cooling system	Integrated fan			
Mounting	Wall / Pole	Wall / Pole	Wall / Pole	Wall / Pole
TECHNICAL SPECIFICATIONS				
Main voltage	230 V $\pm$ 15% (monophase)	230 V $\pm$ 15% (monophase)	400 V $\pm$ 15% (threephase) 230 V $\pm$ 15% (monophase)	400 V $\pm$ 15% (threephase) 230 V $\pm$ 15% (monophase)
Supply net type	TN/TT/IT (1P+N+T o 2P+T)	TN/TT/IT (1P+N+T o 2P+T)	TN/TT/IT (3P+N+T) TN/TT/IT (1P+N+T o 2P+T)	TN/TT/IT (3P+N+T) TN/TT/IT (1P+N+T o 2P+T)
Earth leakage protection	DC Leak (6 mA)			
Start/stop recharge	RFID control – OCPP control			
Status indicator	LED stripe indicator (green, red, blue) Digital Display LED indicators			
Power metering	MID Energy Meter			
Connectivity	Wifi (Client)/Wifi (Access Point) Hotspot RS485 (Pow.Managemnt ext meter) CAN (Load balancing)			
Power Management	Dynamic (with external Power Meter) / Static			
OCPP protocol	OCPP1.6J			
Reporting	Recharge report – Error report			
Integrated protections	Overcurrent protection; Overvoltage protection; Undervoltage protection; Relay over temperature protection; Socket or plug over temperature protection; Cable damage protection; Relay fault protection			
IP degree	IP54			
IK Protection degree (20°C)	IK8	IK8	IK8	IK8
Operating temperature	-25°C +50°C			
Operating humidity	$\leq$ 95%UR			

**WEB APP** (Compact and Plus Series)

To control the parameters of the COMPACT and PLUS series stations via local WiFi (point-to-point).
Standard on all models.

**APP** (EVO Series)

To control the parameters of the EVO series stations in BT via the Cabur EV EVO App.
Standard on all models.

**STAND**

PLUS serie

EVSTD

Pole to install 1 or 2 EVPLUS series charging stations.

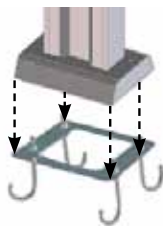
Dimensions: 30 x 22 x 146 cm

EVO serie

EVEVSTD

Pole to install 1 or 2 EVEVO series charging stations.

Dimensions: 26 X 22 X 125 cm

**TYPE 2 CORD SET MONO/THREEPHASE**

EVCP3T2B32AM0500
EVCP1T2B32AM0500
EVCP3T2B32AM0800

The 5m three-phase cord set can be used for both single-phase and three-phase EV Smart Chargers. Also available in single-phase version and 8m three-phase version.

RFID Card**EVRFIDCARD**

For the PLUS and EVO series, to start and stop charging easily and safely, and to manage and account the charging sessions. If lost, a replacement card can be reconfigured.

**FRAME FOR CONCRETE PLINTH**

PLUS serie

EVSTDFRAME

Metal bracket to anchor the stand to a concrete base.

EVO serie

EVEVOFRAME**DIGITAL MONOPHASE ENERGY METER****EVDDSU6661PH****DIGITAL THREEPHASE ENERGY METER****EVDTSU6663PH**

By coupling an external Meter to an EVO series or PLUS series station it is possible to activate the POWER MANAGEMENT function, dynamic management of domestic loads to avoid disconnection of the power supply line. On the EVO series the same Energy Meter is also required to activate the functions for photovoltaic systems. Max measurement 80 A per phase.

**CUSTOM COVER UPON REQUEST****CURRENT TRANSFORMER****EVTAK016F8**

Digital Current Transformer for EVO series, Max measurement 200 A, with integrated 10 m data cable, to be used as an alternative to the Energy Meter for high currents.



EV REMOTE CONTROL

EV NET THE CABUR BACK END FOR CHARGING STATIONS EVO SERIES AND PLUS SERIES

- Add charging stations to your net
- Set your charging service tariff for billing (on-line payment not included)
- Enable RFID cards and define their authorisation level
- Read charge report date/time/user/energy



RESIDENTIAL USE

- Max power setting from 6A to 32A in point-to-point connection via mobile phone
- Power Management for the EVO and PLUS series
- Wall or double-sided pole mounting, with type 2 socket or 5m cable, for the EVO and PLUS series



POWER MANAGEMENT FOR DYNAMIC LOAD CONTROL

RESIDENTIAL WITH PHOTOVOLTAIC PLANTS

- **ECO** to exploit all available sun power only
- **ECO PLUS** to exploit the photovoltaic energy by adding a limited power from the supply net only when necessary
- **FAST** to charge from the photovoltaic source adding the maximum available power from your electricity grid



3 SETTING MODES

MULTIFAMILY - WORKPLACE - TERTIARY - FLEET - PARKING

- Charge energy measurement - kWh
- Load Balancing between multiple stations
- Remote reading Cabur EV NET cloud service



CABUR EV NET ON-LINE STATION'S MONITORING



INDEX BY TYPE

9000446	60	ISA21CANN00001	48	ISB0201CA06	38	ISL0101NS06	25	KX04FMHN	12
DCT1-2	59	ISA22CANN00001	49	ISB0201CA10	38	ISL0201CA06	22	KX04FMMN	11
DCT2-2	59	ISA31CASN00001	49	ISB0202CA10	39	ISL0201CA10	22	KX04MCHN	12
DCT3-2	59	ISA41CASN00001	50	ISB0402CA06	40	ISL0202CA06	23	KX04MFFN	11
DCT4-2	59	ISA42CANN00001	50	ISB0402CA10	40	ISL0202CA10	23	KX04PF4060N	8
DCT5-2	59	ISA161CSSN00001	47	ISL02T01CA06	28	ISL0202CX06	24	KX04PM4060N	8
DCT6-2	59	ISA0201CA06	45	ISL02T01CA10	28	ISL0202NS06	26	KX04VF100N	10
DCT7-2	59	ISA0201CA10	45	ISL02T01NS10	31	ISPD255ACNPE	53	KX04VF4060N	9
DCT8-2	59	ISA0402CA06	46	ISL02T02CA06	29	ISPD275AC1P	53	KX04VM100N	10
DCT10-2	59	ISA0402CA10	46	ISL02T02CA10	29	ISPD275AC1PNPE	54	KX04VM4060N	9
DCT12-2	59	ISA0801CA10	47	ISL02T02CX06	30	ISPD440AC1P	53	KXCRI10	14
DCT15-2	59	ISB11CANN00001	41	ISL02T02NS06	31	ISPD440AC3PNPE	54	KXCRI2506N	14
DCT20-2	59	ISB11CSSN00001	37	ISL11MNA03161	25	ISPD600DC3P	55	KXCRI2510N	14
DCT25-2	59	ISB21CANN00001	41	ISL11MSNA03251	24	ISPD1000DC3P	55	KXCSLSPE	14
DCT30-2	59	ISB22CANN00001	41	ISL21MNA03321	26	ISPD1500DC3P	55	KXDS102	58
IS4SBLOCKN	13	ISB22CSSN00001	39	ISL22MSNA03321	27	ISS00MMNA03160	34	KXDS3516	58
IS3170	14	ISB31CASN00001	42	ISL22MSNA03326	27	ISS00MNA03320	34	T20HF220	58
IS51400N	13	ISB41CASN00001	42	ISL22TSNA03321	30	ISSD100016S	60	UMCT	14
IS52400N	13	ISB42CANN00001	42	ISL0101CA06	21	KX04CCHN	12		
ISA11CANN00001	48	ISB0101CA10	37	ISL0101CA10	21	KX04FCHN	12		

INDEX BY CODE

IS14110N	8	ISL0101NS06	25	ISB42CANN00001	42	9000406	59	ISFIXSPPL50T	65
IS24111N	8	ISL11MNA03161	25	ISA0201CA06	45	9000407	59	ISFIXSPA250T	65
IS14240N	9	ISL21MNA03321	26	ISA0201CA10	45	9000408	59	ISFIXVTA260	65
IS24241N	9	ISL0202NS06	26	ISA0402CA06	46	9000409	59	ISFIXVTA265	65
IS14242N	10	ISL22MSNA03326	27	ISA0402CA10	46	9000410	59	ISFIXVTA270	65
IS24243N	10	ISL22MSNA03321	27	ISA0801CA10	47	9000411	59	ISFIXVTA275	65
IS41410N	11	ISL02T01CA06	28	ISA161CSSN00001	47	9000412	59	EVCMP7S	68
IS42420N	11	ISL02T01CA10	28	ISA11CANN00001	48	9000413	59	EVEV07C	68
IS43430N	12	ISL02T02CA06	29	ISA21CANN00001	48	9000414	59	EVEV07S	68
IS43431N	12	ISL02T02CA10	29	ISA22CANN00001	49	9000446	60	EVEV011C	69
IS43432N	12	ISL02T02CX06	30	ISA31CASN00001	49	ISSD100016S	60	EVEV011S	69
IS43433N	12	ISL22TSNA03321	30	ISA41CASN00001	50	ISFIX00	64	EVEV022C	69
IS4SBLOCKN	13	ISL02T01NS10	31	ISA42CANN00001	50	ISFIX00B	64	EVEV022S	69
IS51400N	13	ISL02T02NS06	31	ISPD275AC1P	53	ISFIX00C	64	EVPLUS7C	70
IS52400N	13	ISS00MMNA03160	34	ISPD440AC1P	53	ISFIX00D	64	EVPLUS7S	70
IS31579002	14	ISS00MNA03320	34	ISPD255ACNPE	53	ISFIXSPPLI	65	EVPLUS22C	70
IS3170	14	ISB0101CA10	37	ISPD275AC1PNPE	54	ISFIXSPA2I	65	EVPLUS22S	70
IS3161N	14	ISB11CSSN00001	37	ISPD440AC3PNPE	54	ISFIXSPPL31T	65	EVSTD	71
IS3100N	14	ISB0201CA06	38	ISPD600DC3P	55	ISFIXSPA231T	65	EVSTDFRAME	71
UMCT3149	14	ISB0201CA10	38	ISPD1000DC3P	55	ISFIXSPPL35T	65	EVEV0STD	71
IS3110	14	ISB0202CA10	39	ISPD1500DC3P	55	ISFIXSPA235T	65	EVEV0FRAME	71
ISL0101CA06	21	ISB22CSSN00001	39	ISDS3516	58	ISFIXSPPL38T	65	EVCP3T2B32AM0500	71
ISL0101CA10	21	ISB0402CA06	40	ISDS102	58	ISFIXSPA238T	65	EVCP1T2B32AM0500	71
ISL0201CA06	22	ISB0402CA10	40	9000395	58	ISFIXSPPL40T	65	EVCP3T2B32AM0800	71
ISL0201CA10	22	ISB11CANN00001	41	9000401	59	ISFIXSPA240T	65	EVDDSU6661PH	71
ISL0202CA06	23	ISB21CANN00001	41	9000402	59	ISFIXSPPL42T	65	EVRFDICARD	71
ISL0202CA10	23	ISB22CANN00001	41	9000403	59	ISFIXSPA242T	65	EVDTSU6663PH	71
ISL0202CX06	24	ISB31CASN00001	42	9000404	59	ISFIXSPPL46T	65	EVTAK016F8	71
ISL11MSNA03251	24	ISB41CASN00001	42	9000405	59	ISFIXSPA246T	65		



AUTOMATION
AND CONTROL
SOLUTIONS



INDUSTRIAL
CONNECTIVITY
SOLUTIONS



E-MOBILITY AND
RENEWABLE ENERGY
SOLUTIONS



INDUSTRIAL
MARKING
SOLUTIONS



D031G25A

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