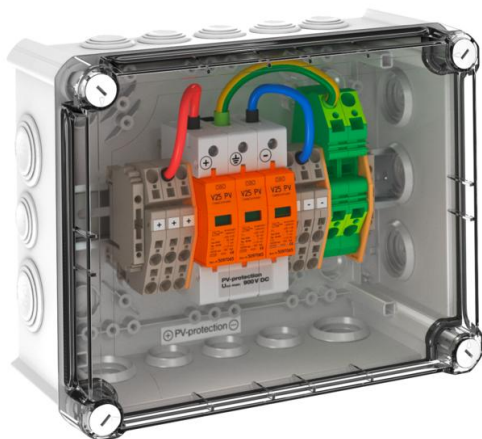


Technical data sheet

PV system solution, type 1+2, for inverter with 1 MPP tracker, 900 V DC

Item number: 5088643



- System solution for photovoltaic inverter with 1 separate MPP tracker
- Varistor arrester, connectable with cut-off unit in error-resistant Y circuit to VDE 0100-712 (50539-12)
 - Low DC protection level: < 3.0 kV (Voc max = 900 V DC with V25-B+C/0-450PV)
 - Per protection device there are 8 terminals up to 6 mm² pre-mounted in the housing, up to 30 A DC per terminal
 - Pre-mounted in polycarbonate housing (IP65), UV-resistant for use outside, including cable gland kit

For DC protection of the inverter in photovoltaic systems.

If there is a danger of condensation forming through wind, ice, temperature or sunlight, further measures may be necessary!



Master data

Item number	5088643
Type	PVG-BC900K 400
Description 1	PV system solution in housing
Description 2	4 PV-String to 1 WR-MPP
Manufacturer	OBO
Dimension	900V DC
Smallest sales unit	1
Unit of quantity	Piece
Weight	153 kg
Weight unit	kg/100 pc.

Technical data sheet

PV system solution, type 1+2, for inverter with 1 MPP tracker, 900 V DC

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Technical data

	Arrester surge current (8/20 µs) [total]	30 kA
	Response time	<25 ns
	Blow-out	no
	Version for	Type 1+2in housing with terminals
	Structural width in division units (division unit, 17.5 mm)	Miscellaneous
	Operating temperature, max.	80 °C
	Operating temperature, min.	-40 °C
	Lightning surge current (10/350 µs)	7 kA
	Remote signalling	no
	Maximum continuous voltage DC	900
	Conductor cross-section, flexible (fine-wire), min.	6 mm ²
	Conductor cross-section, rigid (single-wire/multiwire), max.	10 mm ²
	Conductor cross-section, rigid (single-wire/multiwire), min.	0.5 mm ²
	Lightning protection zone LPZ	0→2
	Max. mains-side overcurrent protection	160
	Maximum back-up fuse	160 A
	Maximum discharge current (8/20 µs)	50 kA
	Installation type	Pre-mounted in the housing
	Mounting type	Surface-mounted
	Nominal discharge current (8/20 µs)	30 kA
	Network form	DC
	DC network form	yes
	IT network form	no
	Other network form	no
	TN network form	no
	TN-C network form	no
	TN-C-S network form	no
	TN-S network form	no
	TT network form	no
	Protection rating	IP66
	Protection level	≤3,0
	Signalling on device	Visual
	SPD to EN 61643-11	Type 1+2
	SPD to IEC 61643-1	Class I+II
	Transparent lid	yes
	Cable type for surge protection devices	Power cable DC (PV)