

# Technical data sheet

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

Item number: 5088591



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)
- For each protection device, there are 3 terminal points up to 16 mm<sup>2</sup> pre-mounted in the housing, up to 30 A DC per terminal
- Low DC protection level: < 3.0 kV (Uoc max = 900 V DC with V25-B+C/0-450PV)
- Pre-mounted in polycarbonate housing (IP66), UV-resistant for the 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	5088591
Type	VG-V25-BC3-PH900
Description 1	PV system solution in housing
Description 2	1 PV-String to 1 WR-MPP
Manufacturer	OBO
Dimension	900V DC
Smallest sales unit	1
Unit of quantity	Piece
Weight	93 kg
Weight unit	kg/100 pc.
CO Footprint (GWP) Cradle-to-Gate	2,9766 kg COe / 1 Piece

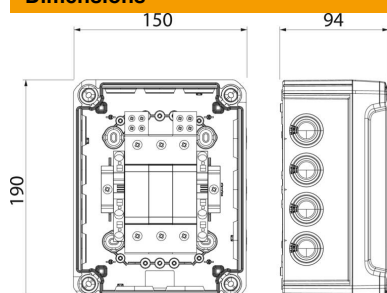
# Technical data sheet

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

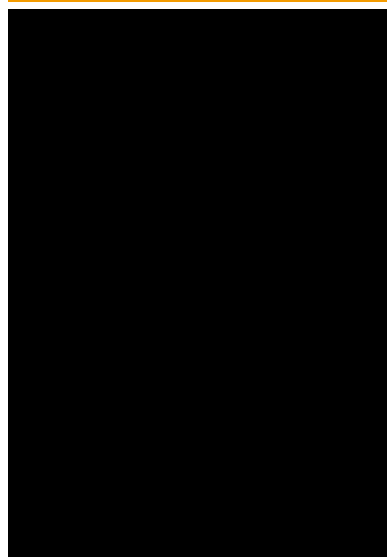
Item number: 5088591



## Dimensions



## Technical data



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 V
Conductor cross-section, flexible (fine-wire), min.	10 mm <sup>2</sup>
Conductor cross-section, rigid (single-wire/multiwire), max.	16 mm <sup>2</sup>
Conductor cross-section, rigid (single-wire/multiwire), min.	1.5 mm <sup>2</sup>
Lightning protection zone LPZ	0→2
Max. mains-side overcurrent protection	125
Max. PV voltage	900 V
Maximum back-up fuse	125 A
Maximum discharge current (8/20 µs)	50 kA
Installation type	Pre-mounted in the housing
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

# Technical data sheet

PV system solution, type 1+2, for inverter with 1 MPP tracker, 900 V DC  
Item number: 5088591



Technical data		
	Cable type for surge protection devices	Power cable DC (PV)