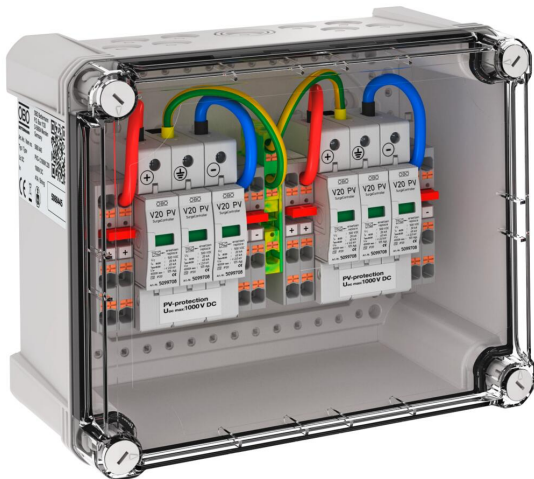


# Technical data sheet

## Generator connection box, type 2, for 2 x 2 strings

Item number: 5088445



Generator connection box, type 2, for photovoltaic systems, to connect 2 x 2 strings. For DC protection of the inverter.

- Varistor arrester, plug-in, with separation device in error-resistant Y circuit according to VDE 0100-712 (50539-12)
- Low DC protection level: < 4.0 kV (Uoc max = 1,000 V DC)
- 2 protection devices with 5 push-in terminals each of up to 6 mm<sup>2</sup> pre-installed in the housing, up to 41 A DC per terminal
- Polycarbonate housing (IP67), UV-resistant for exterior use, incl. cable gland set and pressure compensation element

Additional measures may be required if there is the risk of condensation formation through wind, ice, temperature or sun!



### Master data

Item number	5088445
Type	PVG-C1000K 220
Description 1	Combiner Box
Description 2	2x2 PV string to 2 WR-MPP
Manufacturer	OBO
Dimension	1000V DC
Colour	Light grey; RAL 7035
Smallest sales unit	1
Unit of quantity	Piece
Weight	216 kg
Weight unit	kg/100 pc.
CO Footprint (GWP) Cradle-to-Gate	5,8188 kg COe / 1 Piece

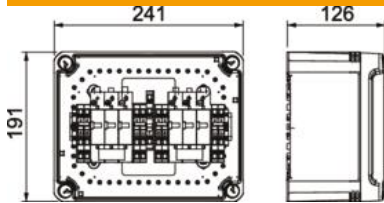
# Technical data sheet

## Generator connection box, type 2, for 2 x 2 strings



Item number: 5088445

### Dimensions



Width	240 mm
Height	191 mm

### Technical data

Response time	<25 ns
Number of inputs	2
Type of entry	Gland
Version for	For 2 MMPT and with push-in terminals
Operating temperature, max.	60 °C
Operating temperature, min.	-25 °C
Housing material surge protection components	PC
Maximum continuous voltage DC	1000 V
Conductor cross-section, flexible (fine-wire), max.	6 mm <sup>2</sup>
Conductor cross-section, flexible (fine-wire), max.	10 AWG
Conductor cross-section, flexible (fine-wire), min.	21 AWG
Conductor cross-section, flexible (fine-wire), min.	0.5 mm <sup>2</sup>
Conductor cross-section, rigid (single-wire/multiwire), max.	8 AWG
Conductor cross-section, rigid (single-wire/multiwire), max.	10 mm <sup>2</sup>
Conductor cross-section, rigid (single-wire/multiwire), min.	21 AWG
Conductor cross-section, rigid (single-wire/multiwire), min.	0.5 mm <sup>2</sup>
Lightning protection zone LPZ	1→2
Maximum discharge current (8/20 μs)	40 kA
Installation type	Pre-mounted in the housing
Nominal discharge current (8/20 μs)	20 kA
Network form	DC
DC network form	yes
Test class, type 1	no
Test class, type 2	yes
Test class, type 3	no
Protection rating	IP67
Protection rating IK code	IK08
Protection level	≤4,0
Signalling on device	Visual
SPD to EN 61643-11	Type 2
SPD to IEC 61643-1	Class II
Permitted temperature range, max.	65 °C

# Technical data sheet

Generator connection box, type 2, for 2 x 2 strings

Item number: 5088445



## Technical data

Permitted temperature range, min.	-25 °C
Depth	125 mm
Cable type for surge protection devices	Power cable DC (PV)
Number of cable entries	16
Max. Input voltage DC	1000 V
String fuse	Without
Monitoring function	no
Max. Input current per string	41 A
Max. Output current	41 A
Number of string inputs	2
Equipped with load-break switch	no
Anschlussart Generatoranschlusskasten	Push-in terminal
Number of MPPTs	2
Entries per MPPT	3
Exits per MPPT	2