

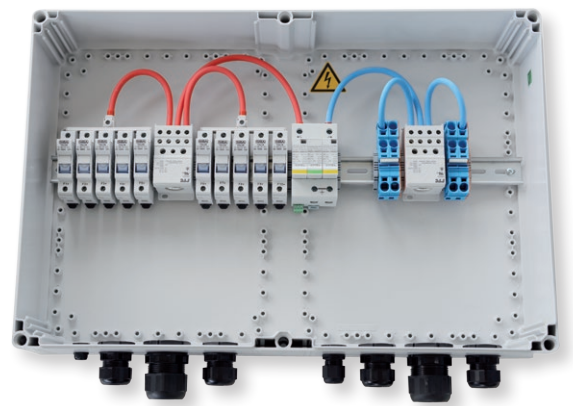
DC COMPONENTS

DC Combiner Boxes

- Made in Germany
- Cost-optimized
- Customized options

Besides our REFUsol inverters there may be additional components necessary or usefull in a PV plant. You can choose these from our extensive accessory portfolio. Profit from cost-optimized products that are pefectly matched to your plants thanks to a wide variety and individual configuration options. Rely on proven quality "Made in Germany".

The CombinerBox allows the string collection near the solar modules, in order to connect the inverter with an efficient homerun in aluminum or copper. Hereby both – a decentralized as well as a centralized – installation of the string inverters is possible.



Art. No.	CombinerBox 10-1,P 925001	CombinerBox 10-1,P,SPDII 925002	CombinerBox 10-1,PM 925003	CombinerBox 10-1,PM,SPDII 925004	CombinerBox 10-1,PM,SPDI+II 925005	CombinerBox 10-1,PM,SPDI+II, DCS 925009
Description	with Plus Fuses	with Plus Fuses and SPD II	with Plus and Minus Fuses	with Plus and Minus Fuses and SPD II	with Plus and Minus Fuses and SPD I+II	with Plus and Minus Fuses, SPD I+II and DC switch

INPUT

Rated voltage	1,000 VDC					
Rated insulation voltage	1,000 VDC					
Max. Current	10 A per Input					
Plus Connection	10 x Fuseholder 2.5 ... 16 mm ²	10 x Fuseholder 2.5 ... 16 mm ²	10 x Fuseholder 2.5 ... 16 mm ²	10 x Fuseholder 2.5 ... 16 mm ²	10 x Fuseholder 2.5 ... 16 mm ²	Stäubli MC4 Plus
Minus Connection	10 x Spring Terminal 2.5 ... 16 mm ²	10 x Spring Terminal 2.5 ... 16 mm ²	10 x Fuseholder 2.5 ... 16 mm ²	10 x Fuseholder 2.5 ... 16 mm ²	10 x Fuseholder 2.5 ... 16 mm ²	Stäubli MC4 Minus
Cable Glands	4 x M32 with multiple seals for 5 cable (Outer Diameter: 7mm)					

OUTPUT

Max. Current	100 A					
Plus and Minus Connection	2 x Distribution block 35 ... 120 mm ² Cu / Al	2 x Distribution block 35 ... 120 mm ² Cu / Al	2 x Distribution block 35 ... 120 mm ² Cu / Al	2 x Distribution block 35 ... 120 mm ² Cu / Al	2 x Distribution block 35 ... 120 mm ² Cu / Al	2 x Cable Lug M8 / Directly connect to Load Breaker
Cable Glands	2 x M40 (Outer Diameter: 16 ... 28 mm) 2 x Reducing seal element (Outer Diameter: 12 ... 20 mm) with 2 x Blind plugs 7 mm					

PROTECTION

DC Overvoltage Protection	-	SPD Type 2 DS50PVS-1000G/51	-	SPD Type 2 DS50PVS-1000G/51	SPD Type 1/2 - VAL-MS-T1/T2 1000DCPV/2+V	SPD Type 2 DS50PVS-1000G/51
Grounding Connection	only for SPD: Direct connection to SPD with ferrule max. 25 mm ² , without ferrule: max. 35 mm ²					connected to grounding-clamp up to 16 mm ²
Cable Gland	Only for SPD: 1 x M20 (Outer Diameter: 6 ... 13 mm)					
DC switch	-	-	-	-	-	integrated

ENCLOSURE

Dimensions H x W x D (mm)	400 x 400 x 132	400 x 600 x 132	400 x 600 x 132	400 x 600 x 132	400 x 600 x 132	530 x 430 x 200
Weight (kg)	4.5	7.0	7.0	7.8	7.8	11.4
Material	Reinforced polycarbonate					
Colour	grey					
Protection Class	II					
IP Class	IP65, UV resistant					
Protective Vent	yes					
Brackets	Brackets included, stainless steel					
Note	PV-Fuses 10 x 38 mm 1,000 V DC not included (15 A Fuses available at Art. No. 922013)					