

String.AC CB 5/1 500VAC

AC Combiner



**MADE
IN
GERMANY**

Key features:

- AC Combiner Box “Made in Germany”
- wall mount outdoor enclosure IP65
- Combines five solar inverter inputs
- Grid topology TN-S

General

Type	Wall mounted (ground mount optional) AC combiner box for up to 5x 50kW inverter and 2 Output
Grid topology	TN-S (5-conductor system: L1, L2, L3, PE, N)
rated current	380 A
Frequency	50Hz
Operating temperature	-35 °C up to +60 °C

Enclosure

Type	rack/ wall mount
Material	Fiberglass reinforced polyester
Protection	EN 60529 IP65
Dimensions Box	H1056 W852 D350mm
rated insulation voltage (Ui)	1000V AC / 1500V DC

AC Input

Number	5 pieces of up to 50kW solar inverters
Cables	max. NAYY-J 5x35mm ²
Connection	Via V-clamp (for Al and Cu cables)
Cable entry	cable gland 5xM50, cable diameter 21-35 mm
Fuse holder	5 x NH00 Fuse switch disconnectors
Rated operational voltage	500V AC
Fuse	15 x NH000 125A gG 500V fuses

AC Output

Number	2
Type	500V AC, 5-conductor system: L1, L2, L3, PE, N
Cable	Max 2x NAYY 5x 240mm ²
Connection	via V-clamp (for Al and Cu cables)
Cable entry	2x cable grommet, cable diameter 48-70mm

Surge Protection Device

Type	T2 240/415 V AC (TN-S)
Back up Protection	Back up Fuse switch disconnecter 3x125A 500VAC
Ground cable	Max. 50 mm ²