

## String.AC CB 4/1 500VAC + Anti-PID

AC Combiner



**MADE  
IN  
GERMANY**

### Key features:

- AC Combiner Box “Made in Germany”
- wall mount outdoor enclosure IP65
- Combines four 60kW solar inverter inputs
- Grid topology IT without N neutral conductor

### General

Type	Wall mounted (ground mount optional) AC combiner box for 4x 60kW inverter and 1 Output
Grid topology	IT without N neutral conductor
rated current	250A (resistance to short-circuiting: 10kA)
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	H835 W635 D300mm
rated insulation voltage (Ui)	1000V AC / 1500V DC

### AC Input

Number	4 pieces of 60kW solar inverters
Cables	max. NAYY-J 4x25
Connection	Via V-clamp (for Al and Cu cables)
Cable entry	cable gland 4xM40, cable diameter 18-32 mm
Fuse holder	4 x NH00 Fuse switch disconnectors
Rated operational voltage	500V AC
Fuse	12 x NH000 80A 500V fuses

### AC Output

Number	Transformer
Type	500V AC, 4-conductor system: L1, L2, L3, PE
Cable	NAYY 4x185 - 240mm <sup>2</sup>
Connection	via V-clamp (for Al and Cu cables)
Cable entry	cable grommet, cable diameter 48-70mm

### Surge Protection Device

Type	T2 U <sub>N</sub> : 500VAC + PID DC Voltage up to 1500V to ground
Back up Protection	Back up Fuse switch disconnector 3x80A 500VAC
Ground cable	Max. 50 mm <sup>2</sup>

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