



# String.AC CC 5/1 500VAC

AC Combiner



### Key features:

- AC Combiner Box “Made in Germany”
- Ground mount outdoor enclosure IP44
- Combines five solar inverter inputs
- Grid topology TN-S

### General

Type	ground mount 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	ground mount
Material	Fiberglass reinforced polyester
Protection	EN 60529 IP44
Dimensions Box	H870 W785 D320
pedestal for burying into soil	Socket height 950 mm/ Excavate depth 600 mm
rated insulation voltage (Ui)	1000V AC / 1500V DC

### AC Input

Number	5 pieces of up to 50kW solar inverters
Cables	max. NAYY-J 5x35 mm <sup>2</sup>
Connection	Via V-clamp (for Al and Cu cables)
Cable entry	Direct input over the pedestal
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. 2 x NAYY 5x240 mm <sup>2</sup>
Connection	via V-clamp (for Al and Cu cables)
Cable entry	Direct input over the pedestal – with clamps for cable relief

### Surge Protection Device

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