

DC Combiner Box For Australia

CMBN-6K, CMBN-10K



DC Combiner Box for Storage and Backup applications

- Complies with Australian installation standards including AS/NZS 5033, AS/NZS 4777.1, and AS/ NZS 5139
- Eases maintenance with field-replaceable fuses
- Supports SolarEdge Home Battery and LG RESU Prime batteries with backup* application
- Avoids the need to install additional isolator at the inverter side
- Provides simplified and flexible installation process

* Requires installation of SolarEdge Home Backup Interface, which is purchased separately

/ DC Combiner Box

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	IAC-CMBN-2BA2PV-01	IAC-CMBN-2BA2PV-02	UNITS
INVERTER DC			
Maximum DC Power ⁽¹⁾	6000	10000	Wdc
Maximum DC Current	16.5	27.5	Adc
Nominal DC Voltage	380 / 400		Vdc
Maximum DC Voltage	480		Vdc
2-Pole Fused Disconnection ⁽²⁾	Yes		
PV DC			
Maximum Total DC Power	12000	22000	Wdc
Maximum Total DC Current	32	58	Adc
Maximum DC Power per PV Port	9000	11400	Wdc
Maximum DC Current per PV Port	24	30	Adc
Nominal DC Voltage	380 / 480		Vdc
Maximum DC Voltage	480		Vdc
Number of PV Ports	2		
2-Pole Fused Disconnection ⁽²⁾	Yes		
BATTERY DC			
Maximum Total DC Power	11400	11400	Wdc
Maximum Total DC Current	30		Adc
Maximum DC Power per Battery Port	9000	10000	Wdc
Maximum DC Current per Battery Port	25	27.5	Adc
Nominal/Maximum DC Voltage	380 / 480		Vdc
Number of Battery Ports	2		
Supported Batteries per Port	2 x SolarEdge Home Battery or 2 x RESU10H Prime or 1 x RESU16H Prime	3 x SolarEdge Home Battery or 3 x RESU10H Prime or 2 x RESU16H Prime ⁽³⁾	
2-Pole Fused Disconnection ⁽²⁾	Yes		
STANDARD COMPLIANCE			
Safety	IEC 62109-1		
DC Isolator	AS 60973-1		
INSTALLATION SPECIFICATIONS			
DC Conduit Size / Wire Cross Section	32 mm maximum / 4 - 10 mm ²		
Dimensions with Connection Unit (H x W x D)	207 x 316 x 118		mm
Weight with Connection Unit	<10		kg
Cooling	Natural Convention		
Noise	< 25		dBA
Operating Temperature Range	-40 to +60		°C
Protection Rating	IP66NW - outdoor and Indoor		
Manufacturing Countries	China / Vietnam		

(1) Actual power will support AC production of this value by the connected inverter nameplate.

(2) Replaceable fuse (38x10mm).

(3) When connecting two RESU16H batteries, each battery must be connected to a separate battery port.