

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
- Supports SolarEdge Home Battery with backup* application
- Provides simplified and flexible installation process
- Eases maintenance with field-replaceable fuses
- Avoids the need to install an additional isolator on the inverter side

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

/ DC Combiner Box

For Australia

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	IAC-CMBN-2BA2PV-01	IAC-CMBN-2BA2PV-02	UNITS
INVERTER DC			
Maximum DC Power ⁽¹⁾	6000	10,000	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	12,000	22,000	Wdc
Maximum Total DC Current	32	58	Adc
Maximum DC Power per PV Port	9000	11,400	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	11,400		Wdc
Maximum Total DC Current	30		Adc
Maximum DC Power per Battery Port	9000	10,000	Wdc
Maximum DC Current per Battery Port	25	27.5	Adc
Nominal/Maximum DC Voltage	380 / 480		Vdc
Number of Battery Ports	2		
Maximum Batteries per Port	1	2	
Total Supported Batteries	2 x SolarEdge Home Battery or 2 x RESU10H Prime or 1 x RESU16H Prime	3 x SolarEdge Home Battery	
2-Pole Fused Disconnection ⁽²⁾	Yes		
STANDARD COMPLIANCE			
Safety	IEC 62109-1		
DC Isolator	AS 60973-1		
INSTALLATION SPECIFICATION			
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).