

Trinahome PowerCube DC

DC-Coupling for wide range of residential applications and emergency back-up use



PowerBox

PowerCube 2.0

Hybrid System

Rated Power: 5.0 kW (Single-phase)
Capacity: 4.8, 7.2, 9.6 kWh

Backup Function: Self-sufficient During Off-grid (Solar PV charge batteries)

Warranty: 10 years Battery Performance (Expected lifetime 20 years)



Safety

- 10 years warranty
- Pass strict safety regulations



System Diversity

- IP55 for battery installation indoors or outdoors
- Ideal for new installation with solar PV
- Continuous supply of energy in off-grid situations with integrated back-up function



Flexible Installation

- Wall mounted or with pedestal for two point support
- Compact size that take up less space
- Easy installation with 1 man 2 hours

China:
Trina Energy Storage Solutions (Jiangsu) Co., Ltd.
Tel: +86 519 8517 6686
Email: trinabess@trinagroup.com
Add: No. 2 Tianhe Road, Trina PV Park,
New District, Changzhou, Jiangsu

Germany:
Trina Energie Storage Vertrieb und Service GmbH
Tel: +49 (0) 69 75844 361
Email: eu.sales@trinabess.com
Add: Otto-Schoff-Str. 4, 60438,
Frankfurt am Main, Germany

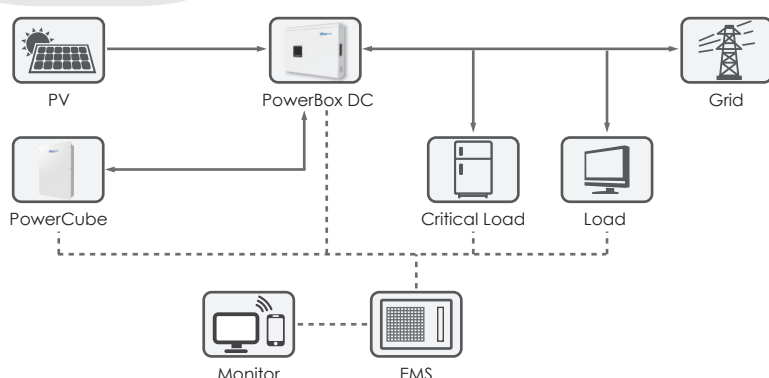
Oceania:
Trina Energy Storage Solutions (Australia) Pty. Ltd.
Tel: +61 2 9199 8504
Email: australia.sales@trinabess.com
Add: 44.05, Level 44, 1 Farrer Place Sydney,
NSW, 2000

Japan:
Trina Energy Storage Japan Co., Ltd.
Tel: +81 (0) 3 6432 0581
Email: jp.sales@trinabess.com
Add: 21F World Trade Center Building,
4-1, 2-chome, Hamamatsu-cho,
Minato-ku, Tokyo 105-6121 Japan

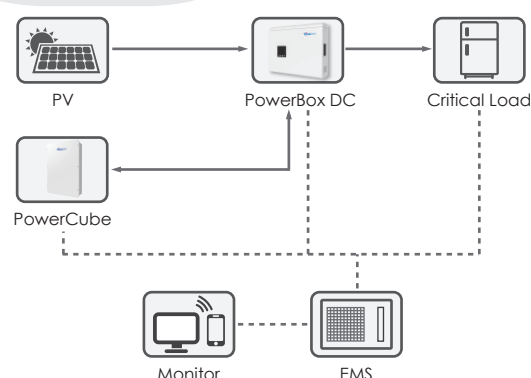
TECHNICAL DATA

Model	PowerCube 2.0
Nominal Voltage	48 V
Nominal Capacity	100 Ah (2 battery packs) / 150 Ah (3 battery packs) / 200 Ah (4 battery packs)
Energy Capacity	4.8 kWh (2 battery packs) / 7.2 kWh (3 battery packs) / 9.6 kWh (4 battery packs)
Standard Charging & Discharging Current	50 A (2 battery packs) / 75 A (3 battery packs) / 100 A (4 battery packs)
Interface	CAN, RS485
Working Temp	-10 °C ~ 50 °C
Storage Temp	-25 °C ~ 60 °C
Round-trip DC Efficiency	92.5 %
Dimension (W x H x D)	600 x 1000 x 210 mm
Weight	app. 70 kg (2 battery packs) / 95 kg (3 battery packs) / 120 kg (4 battery packs)
Protection Level	IP 55
Warranty	10 years

On Grid Mode



Back Up Mode



Model	PowerBox DC
PV Input	
Max. Input Power	5.2 kW
Max. DC Voltage	550 V
MPPT Voltage Range	125 - 530 V
MPP Tracker	2
Max. Input Current	15 A / 15 A
Battery Charging / Discharging	
Rated Power	3 kW (Charging) / 4 kW (Discharging)
Operation Voltage Range	40 - 60 V
Max. Current	60 A (Charging) / 80 A (Discharging)
Efficiency Max. PV - GRID	≥ 95 %
AC Output	
Output Power	4.9 kW
Backup Rated Power (Peak Power)	3.6 kVA (3.6 kVA)
Output Voltage / Output Frequency	180 - 264 V / 50 Hz (45 Hz - 55 Hz)
AC Nominal Current	21.7 A
Backup Current	16.1 A
Backup Function	Intergrated, auto-switching time < 5 sec
Other Parameters	
IP Class	IP20 (Indoor)
Noise	< 55 dB
Dimension (W x H x D)	515 x 610 x 192 mm
Weight	30 kg
DC Switch	Optional
Cooling	Forced Air Cooling
System	
Certification	AS4777 (AUS) / IEC62109
Interface	Energy management unit integrated / LCD display / RS485 communication
Warranty	5-year standard, 7-year extendable
Operating Temperature Range	0 °C to + 45 °C

CAUTION: READ SAFETY AND INSTALLATION INSTRUCTIONS BEFORE USING THE PRODUCT.