



## 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

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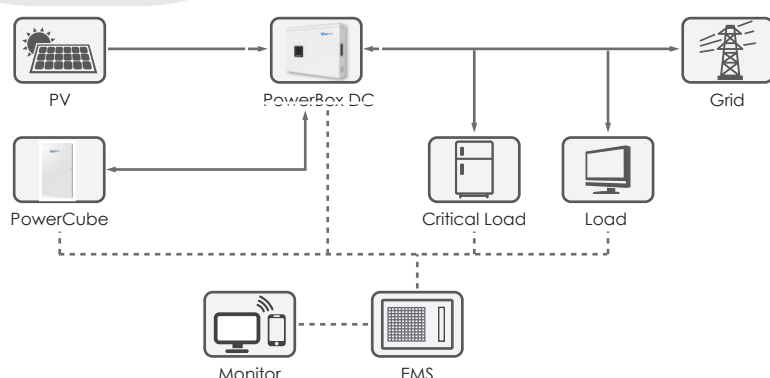
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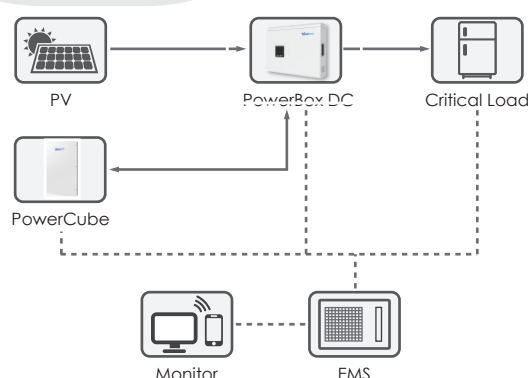
## TECHNICAL DATA

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.