V2.0

TBB POWER

Battery

T B B R E N E W A B L E

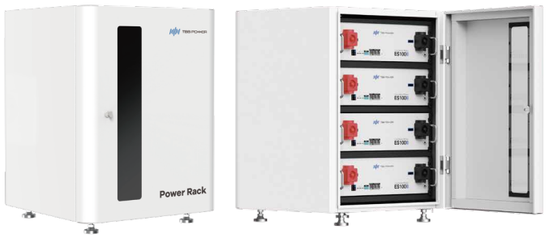
ACCESSORIES

Simple Mounting Bracket

- 3U for ES100 II, 522*172*398mm
- Support up to 4 pcs lithium batteries

PDP-ES

- 1*300A DC switch
- Rack-mounted
- IP20
- Weight: 5KG
- Work with ES100 II, a set of power cable needs to be equipped with a PDP



Power Rack
Lithium Battery Rack Cabinet

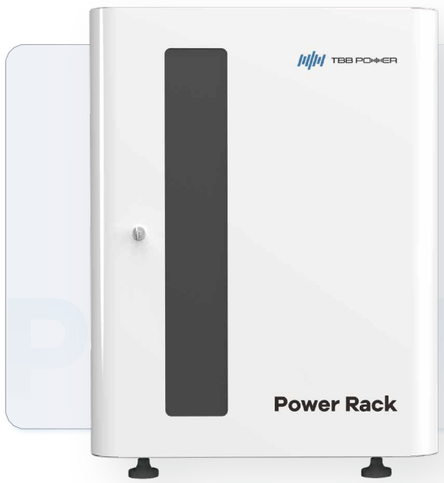
- IP65
- For installation of 4 x ES100 II or installation of 3 x ES100 II and 1 x PDP-ES
- The cabinet supports stack installation

CAN Hub

- Rack-mounted
- IP20
- 5 CAN-in ports for up to 160 battery modules in parallel
- Compatible with ES100 II, PS5 and PS10 lithium batteries

IP65 Power Rack

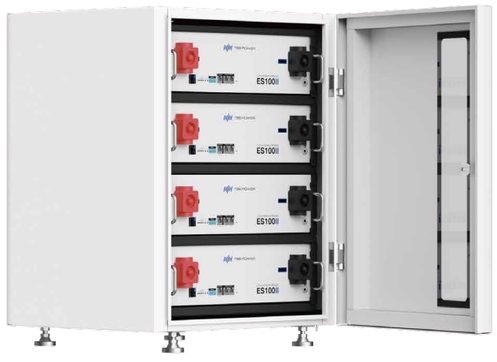
– Lithium Battery Rack Cabinet –



5.04kWh-20.16kWh

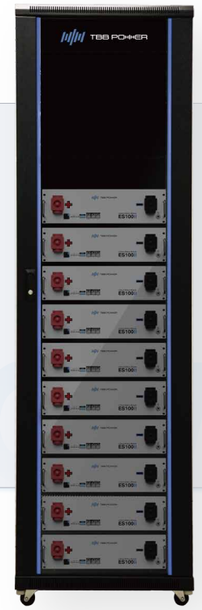
- For installation of 4 units of ES100 II lithium battery modules, or installation of 3 units of ES100 II and 1 unit of PDP-E(Battery Switch Box)
- The cabinet supports stack installation

Item	Power Rack
Dimension (mm) (W x D x H)	570*600*800
Net weight (kg)	43
Protection index	IP65



Power Rack

– Lithium Battery Rack Cabinet –



Rack 5 5.04kWh-25.2kWh

Accommodates up to 5 lithium battery modules, or a mix of lithium battery modules and PDP units (Battery Switch Box).

Rack 10 5.04kWh-50.4kWh

Accommodates up to 10 lithium battery modules, or a mix of lithium battery modules and PDP units (Battery Switch Box).

Model	Rack 5	Rack 10
Dimension (mm) (W*D*H)	600*600*1045	600*600*2045
Protection index	IP20	IP20
The number of lithium batteries supported (Max)	5	10

CAN HUB

~ Lithium Battery Connection HUB ~

Support up to 160 units of ES100 II connected in parallel

- High scalability: Supports expanding one CAN network into up to 5 independent sub-networks
- High-speed transmission: Data transmission rate between sub-networks can reach 500Kbps
- Reliability: Adopts industrial-grade design, with good anti-interference and stability
- Flexible configuration: Supports configuration via DIP switches, allowing users to adjust according to actual needs
- Easy installation: Uses DIN-rail mounting for quick and convenient installation

The CAN HUB is a device used to expand the CAN (Controller Area Network) bus network. It allows one CAN network to be divided into multiple independent sub-networks, enabling more nodes to be connected and communicated.

The CAN HUB supports the connection of up to 160 units of ES100 II, 160 units of PS5, and 80 units of PS10 modules in parallel, enabling users to scale their energy storage systems according to their needs.

Item	CAN HUB
Interface	
Configure Port	RS-485; RJ45 jack
Industrial Serial Interface	CAN x 6; RJ45 jack (5 downstream communications and 1 upstream communication; Baud rate: 500Kbps; Terminal resistance: 120Ω)
Power Interface	DC48V, ±20% deviation; AC 85~305V
Reset Button	Pinhole reset button
Ground Terminal	M6 Screw
Mechanical Characteristics	
Dimension (mm)	480*44*120
Weight (kg)	2
Casing	Metal
Cooling Method	Fanless
Device Power	
Standby Power	0.75W@48VDC; 0.75W@220VAC
Operating Power	1.0W@48VDC; 1.0W@220VAC
Peak Power	1.2W@48VDC; 1.2W@220VAC
Ambient Temperature and Humidity	
Storage Temperature (℃)	-40 ~ 85
Ambient Humidity	Environmental Humidity: 15 ~ 90% (Non-condensing)
Operating Temperature (℃)	-20 ~ 60
Protection Degree	IP20

Communication Cable Wiring Diagram