

Power Stack 5/10

– Lithium Battery Pack –



Power Stack 5/10 is TBB's latest 48V lithium battery pack. With high energy density, good compatibility, compact design and long cycle life, it is a perfect solution for residential and small commercial applications.

Besides floor-mounted installation, Power Stack 5/10 also supports wall-mounted installation to save your valuable space. Thanks to the modular design, its capacity can be flexibly expanded through parallel connection, meeting the demands of various scenarios. With IP65 protection, it is suitable for both indoor and outdoor operations. The battery real-time status can be locally monitored via E4 LCD Monitor and remotely monitored via NOVA APP & Web.

- Large capacity, high power output
- Safest lithium iron phosphate battery cell with high energy density
- Modular design: Power Stack 5 supports up to 32 units in parallel and Power Stack 10 supports up to 16 units
- Compact and wall-mounted design, saving installation space
- High integration, saving installation cost and simplifying the wiring
- Comes with a mounting bracket for easy installation, and handles on the both sides for convenient carrying
- Built-in circuit breaker for over-current protection
- IP65 protection for both indoor and outdoor use
- Perfect compatibility: support CAN & RS485 communication with mainstream inverters
- Local monitoring via E4 LCD monitor
- Remote monitoring via NOVA APP & Web



Model	PS5	PS10
Configuration	15S1P	15S2P
Nominal Voltage (V)	48	48
Work Voltage Range (V)	42~54.75	42~54.75
Nominal Capacity (Ah)	105	210
Nominal Energy (kWh)	5.04	10.08
Max Power (kW)	5.04	10.08
Peak Current (A)	120	240
Charging Current (A)	52.5	105
Maximum Charging Current (A)	105	210
Discharging Current (A)	52.5	105
Maximum Discharging Current (A)	105	210
Cycle Life	6000 (90% DoD, 70% SoH), @25, 0.5C	6000 (90% DoD, 70% SoH), @25, 0.5C
Operating Temperature	Discharge: -20°C~55°C	Discharge: -20°C~55°C
	Charge: 0°C~55°C	Charge: 0°C~55°C
Recommended Operating Temperature	Discharge: 15°C~30°C	Discharge: 15°C~30°C
	Charge: 15°C~30°C	Charge: 15°C~30°C
	Storage: 0°C~+35°C 3 months	Storage: 0°C~+35°C 3 months
Altitude (m)	<2000	<2000
Humidity	<95% (without condensation)	<95% (without condensation)
Cooling Method	Natural heat dissipation	Natural heat dissipation
Protection Degree	IP65	IP65
Dimension (mm) (W*H*D)	484*725.5*195	484*968*195
Weight (kg)	54	94
Standards	UN38.3	UN38.3