



Lithium Battery Pack

Power Stack 5/10

PS10 48V 210Ah 10.08kWh

PS5 48V 105Ah 5.04kWh



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 demand of various scenarios. With IP65 protection, it is suitable for both indoor and outdoor operation. 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 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	Power Stack 5	Power Stack 10
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
Nominal Power (kW)	2.52	5.04
Max Power (kW)	5.04	10.08
1S Peak Power (kW)	5.76	11.52
1S 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	90%DOD, 6000 cycles life	90%DOD, 6000 cycles life
Operating temperature	Discharge: -20℃~55℃	Discharge: -20℃~55℃
	Charge: 0℃~55℃	Charge: 0℃~55℃
Recommended Operating Temperature	Discharge: 15℃~30℃	Discharge: 15℃~30℃
	Charge: 15℃~30℃	Charge: 15℃~30℃
Storage Temperature	Storage: 0℃~35℃	Storage: 0℃~35℃
Altitude (m)	<2000	<2000
Humidity	15%~90%	15%~90%
Cooling method	Natural cooling	Natural cooling
Protection Degree	IP65	IP65
Dimension (mm) (W*D*H)	484*155*750	484*155* 995
Weight (kg)	55	96