


# PS2500B

## 2500Wh Expansion Battery Pack

- Built-in BMS management protection system, monitor the working status of battery in real time.
- Adopt high-capacity, high-safety square aluminum shell core.
- Plus power pack can be applied to complex working scenarios.
- Software calculates SOC, SOH, SOP algorithm strategy to protect the battery life and endurance.
- Adopt software dynamic addressing method.
- Support CAN communication and online upgrade function.



## Technical Specification

Model	PS2500B
Net Weight	≈25.2KG
Dimension	536*270*225mm
Nominal energy	2560Wh
Nominal capacity	50Ah
Nominal Voltage	51.2V <sub>nom</sub>
Working voltage range	40-57.6V <sub>nom</sub>
Operating humidity	10%-85%(Non-condensing)
Altitude	< 2000m
<b>Output</b>	
Discharge current	70A Max.
Charging current	50A Max.
Cell Type	Lithium iron phosphate battery (LiFePO <sub>4</sub> )
Cycle Life*	4000 Cycles
Temperature range	Charge: 0~45°C/Discharge: -20~45°C
Storage Ambient Temperature Range	-20~45°C
Protection type	Over temperature protection, low temperature protection, over discharge protection, over charge protection, over load protection, short circuit protection, over current protection
<b>Operating Temperature</b>	
Optimum ambient temperature for use	20°C~30°C
Discharge temperature range	-20°C~45°C
Charge temperature range	0°C~45°C
Storage ambient temperature	-20°C~45°C (20°C~30°C Preferred)
Certification	 CA65, TSCA, RoHS, Reach, WEEE, POPS, UN38.3, MSDS

Cycle Life\*: Test conditions, 95%DOD, 0.5C Charge & 1.0C Discharge at +25°C±3°C.