

PS614B

614Wh Expansion Battery Pack

- LiFePO4 Prismatic battery cell, with 3000 ultra-long cycle times.
- Built-in BMS management protection system, monitor the working status of battery in real time.
- Software calculates SOC, SOH, SOP algorithm strategy to protect the battery life and endurance.
- Adopt software dynamic addressing method.
- Supports USB flash drive, CAN communication, and online upgrade function.
- Compatible with PV, car charger, and power adapter; MPPT efficiency up to 99.5%.
- Supports parallel operation of battery packs.



Technical Parameter

Model	PS614B
Net Weight	≈7.5KG
Dimension	301*227*193mm
Nominal energy	614Wh
Nominal capacity	12Ah
Nominal Voltage	51.2V==
Operating humidity	10%-85%(Non-condensing)
Altitude	< 2000m
Current	Charge:12A Max.; Discharge:24A Max.
Power-output	40-57.6V==24A Max.
Output USB-A1	5V==2.4A, 12W Max.
Output USB-C1/C2/C3	5/9/12/15V==3A, 20V==5A, 100W Max.
Car charger output	12.6V 10A Max.
Power-input	40-57.6V==12A Max.
Solar input	13-55V, 12A, 400W Max.
Adapter input	21V, 5.7A, 120W Max.
Car charger input	12/24V, 5.7A Max.
Cell Type	Lithium iron phosphate battery (LiFePO4)
Cycle Life*	3000 cycles
Temperature range	Charge: 0~45°C/Discharge: -20~45°C
Storage Ambient Temperature Range	-20~45°C
Certification	 CA65, TSCA, RoHS, Reach, WEEE, POPS, UN38.3, MSDS

Cycle Life*: Test conditions, 95%DOD, 0.5C Charge & 1C Discharge at +25°C±3°C.