

Lithium-ion Battery

# Powerbase 16 51.2V314AH



IP20 Protection	4.3" HMI Touchable Screen	Continuous Charge / Discharge	8000 Cycles	5 Years Warranty
314 AH Capacity	LiFePO4 Cells	PAGE BMS	Parallel upto 8 Units	

- A grade brand new prismatic LFP (LiFePO4 cells)
- 8000 cycles
- Over charge, over discharge, over temperature, low temperature, over current and short circuit protection
- HMI touchable screen with low power consumption, high brightness, and long visual distance.
- Cell balance function
- Metal Case, excellent heat dissipation, more safety
- Certificate: UN38.3, MSDS
- Max. 8 batteries can be connected in parallel.

## Compatible with Inverter Brands



## Technical Data Sheet

MODEL	POWERBASE 16
<b>ELECTRICAL PARAMETER</b>	
Battery Type	LFP (LiFePO4)
Nominal Voltage (V)	51.2
Nominal Capacity (AH)	314
Energy (WH)	16076
Continuous Discharge Current (A)	200
Charge Cut-off Voltage (V)	57.6
Discharge Cut-off Voltage (V)	41.6
Max. Charge Current (A)	150
Max. Discharge Current (A)	200
Peak Discharge Current (A)	360@(10s)
Recommend Discharge Current (A)	150
Open Circuit Voltage (V)	50.88 - 53.6
Cycle Life	> 8000 cycles
Number of Parallel	Upto 8 units
Communication	RS485 RS232
Display	HMI Touchable
<b>ENVIRONMENTAL PARAMETER</b>	
Charge & Discharge Temperature (°C)	Charge: 0°C ~ +55°C / Discharge: -20°C ~ +60°C
Storage Temperature Range (°C)	-5°C~+0°C / 35°C~+45°C (≤2 month); 5°C~+35°C (≤3 months, Optimum storage temperature); 15°C~+35°C (≤6 months)
Relative Humidity	60%±20% RH
Ingress Protection	IP20
<b>MECHANICAL PARAMETER</b>	
Connect Terminal	Quick Plug
Dimensions (L*W*H) (mm)	520*245*880
Weight (Kg)	119.5Kg
Certificate	UN38.3 MSDS
Charge & Discharge Current	0.6C
Warranty	5 Year Warranty