

51.2V 314Ah Lithium Battery



► Features

- A grade brand new prismatic LiFePO₄ cells
- > 8000 cycles @80% DOD(25°C, 0.5C)
- Over charge, over discharge, over temperature, low temperature, over current and short circuit protection
- LED/LCD display screen to monitor cell SOC, voltage, temperature and alarm status
- Max 32 battery packs can be connected in parallel
- Fire Protection:Aerosol fire suppression module
- Compatible with protocols of major inverter manufacturers
- Certificate: UN38.3, MSDS, IEC 62619, RoHS, CE

► Electrical Characteristics

Model	LF51314A	LF51314E
Electrical Parameter		
Battery Type	LiFePO4	
Nominal Voltage (V)	51.2	
Nominal Capacity (Ah)	314	
Energy (Wh)	16076	
Pack Mode	16S1P	
Charge Cut-off Voltage (V)	57.6	
Discharge Cut-off Voltage (V)	41.6	
Max.Charge Current (A)	200	
Max.Discharge Current (A)	200	
Recommend Discharge Current (A)	150	
Recommend Discharge Depth (%)	80	
Cycle Life	> 8000 cycles (25℃, 0.5C , 80% DOD)	
Function	Optional :Bluetooth/Wi-Fi/Heating/Breaker	
Communication	RS485 CAN	
Display	LCD	LED
Mounting	Floor-mounted & Top wiring	
Environmental Parameter		
Charge&Discharge Temperature (℃)	Charge: 0℃~50℃ / Discharge: -20℃~50℃	
Optimal Storage Temperature (℃)	5℃~35℃	
Relative Humidity	40%~80%	
Ingress Protection	IP21/IP54/IP65	
Mechanical Parameter		
Terminal	M8/Quick-connect	
Dimensions (L×W×H) (mm)	500×850×235(Not including caster)	
Weight (kg)	--	--
Certificate	UN38.3, MSDS, IEC 62619, ROHS, CE	