



CLEON[®]
Power Your World



LIFEPO4 BATTERIES



APPLICATION

- ▶ HOME APPLIANCES
- ▶ POWER BACK-UP
- ▶ OFFICE EQUIPMENT
- ▶ SECURITY INSTRUMENTS
- ▶ EMERGENCY LIGHTING
- ▶ SOLAR
- ▶ EV



DOD
80 %

6000 Cycles at 80% DOD



Superior LifePO4 Safety Performance



Compatible with Multiple Inverter Brands



Cloud Management & Monitoring
OTA Update Remotely

1C/1C



1C/1C Continual Charge and Discharge



Low Voltage Safety Connection



WiFi Remote Monitoring



Max. 16 Modules in Parallel

LIFEPO4 FEATURES

- 1-Smart BMS with current limiting function,CANBus/RS485 which fully integrates and communicates with leading Inverter brands
- 2- Excellent High temperature performance
- 3-Higher Cycle Life & Service Life
- 4-High Energy Density & conversion efficiency
- 5-Complete with integrated Battery management system
- 6- Real time Bluetooth monitor
- 7-Heavy duty side handles for easy handling and mounting on the wall
- 8-Built in protection for over-charge, over-discharge & over-temperature
- 9-1C charging /discharging rate
- 10-BMS with cells active balancing function
- 11-A grade cells



AVAILABLE SIZES

2.5KWH -16KWH
 100AH TO 314AH(HIGHER CAPACITY CAN BE CUSTOMIZED)

TECHNICAL DATA

51.2V Series

Product Model	51.2V100Ah	51.2V150Ah	51.2V200Ah	51.2V280Ah	51.2V314Ah
Nominal Energy	5.12kWh	7.68kWh	10.24kWh	14.33kWh	16.08kWh
Nominal Voltage	51.2V	51.2V	51.2V	51.2V	51.2V
Nominal Capacity	100Ah	200Ah	200Ah	280Ah	314Ah
Cell Type	LFP	LFP	LFP	LFP	LFP
Standard Charge Voltage	56.8V	56.8V	56.8V	56.8V	56.8V
Max. Discharge Current	100A	100A	100A	200A	200A
Discharge Cut-off Voltage	44.8V	44.8V	44.8V	44.8V	44.8V
Parallel Function	Support 15 Units In Parallels				
Communication Interface	RS485, USB/RS232, CAN				
Cycle Life *	≥6000 Cycles (25°C±2°C, 0.2C/0.2C, 80%DOD)				
Charge Temperature Range	0~55°C				
Discharge Temperature Range	-20~55°C				
Certification	MSDS/UN38.3/Dangerous goods maritime certification				
Dimension	580*370*163(mm)	680*460*170(mm)	720*430*230(mm)	900*430*238(mm)	900*430*238(mm)
Net Weight	45Kg	70Kg	85Kg	120Kg	125Kg
Installation Method	Wall Mounted/Floor Standing				
Warranty	10Year warranty for cells; 5years for BMS (maintenance and replacement within this period)				
Optional	Bluetooth/WiFi remote monitoring				

*Test Condition: 80% DOD, 0.2C charge & discharge @25°C

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