



Intelligent Energy Management System

LCD screen to facilitate users to view real-time system operating status and historical data, while the system can be changed through the display mode.

Backup UPS Features



- Charger, DC / AC converter in one
- When there have mains supply, the mains supply directly supplies power to the load after bypassing and automatically enters the battery mode when mains is disconnected.

Solar Controller



- Integrated PV MPPT, charger, DC / AC converter
- Dual-mode input, priority solar charging / support for mains charging

Battery Module



- Lithium-ion batteries with high performance and high safety provided by well-known domestic and foreign manufacturers
- Metal casing provides superior safety and security
- Advanced battery management system (BMS) to ensure safe and efficient battery operation
- Multi-function DC output inte

Product front	Product back
2*Universal output AC outlet	PV input power strip
USB output * 2: 5V / 2.1A	Photovoltaic access strip
DC output * 2: 12V / 10A	AC input socket
Display with function key	
Main power switch (air switch)	

Product front	Product back
2*Universal output AC outlet	PV input power strip
USB output * 2: 5V / 2.1A	Photovoltaic access strip
DC output * 2: 12V / 10A	AC input socket
Display with function key	
Main power switch (air switch)	

Assembled by 16PCS of 100Ah Prismatic Cell (16S1P)

NO.	Item	General Parameter		Remark
1	Cell model	LF48174133-100Ah		(Single · 48*174*133mm)
2	Casing material for single cell	Aluminum shell		
3	Standard capacity (0.2CA)	100Ah		
5	Rated voltage	51.2V		(Work voltage : 3.20V)
6	Max.Charge voltage	58.4V		(Single Ave. charge voltage): 3.65V
7	Cut-off voltage	40V		(Single Ave. discharge voltage): 2.5V
8	Standard charge current	100A		
9	Charging time	About 1 h		
10	Continuous discharge current	100A		
12	Peak discharge current	200A		1seconds
13	Battery dimension	≤320*562*458mm		≤320*562*532
14	Total weight (Approx.)	73Kg		
15	Charge method (CC/CV)	Standard	0°C~50°C	
		Discharge	-20°C~60°C	
		Storage	0°C~45°C	
16	IP Grade	IP54		
17	Life cycle	6000		

Inverter parameters

Inverter	Input		Output				Battery charging				Solar panel input				
	Input mains range	Frequency	Output AC voltage range	Peak power	Highest conversion rate	Switching time	Waveform	Battery voltage	Floating voltage	Overcharge protection voltage	Charging current	Solar panel power	Solar charging current	Open circuit voltage	Stand by loss
3000W	170~280 VAC	50Hz/60Hz	230V AC±5%	6000W	93%	10ms	Pure Sine Wave	48VDC	54VDC	60VDC	30A	2400W	50A	< 90 VDC	2W

Scenario

