

# RESIDENTIAL BATTERY SYSTEM

OSM Energy Tech is an advanced Energy storage system manufacturer based in China. As a LiFePo4 battery supplier. It provides reliable power backup storage system worldwide.

Intelligence, automatic balancing, safety features, remote monitoring options and much more.  
built-in patented Battery management system.

- 8000 Deep-Cycle Cells
- Over 10 Years Warranty
- PC Software Monitoring
- Parallel up to 16 packs
- Rack Mount Design
- Welded Prismatic Cell Connections
- 100A Internal BMS
- 5.12kWh Storage Capacity
- Built-In RS485 CANbus communication



## Flexible installation

Support both Rack-mounted and wall-mounted installation



## Premium Safety

A Grade LFP cells with BMS monitoring system ensure high safety



## Easy Maintenance

Modularization plug-in design, less maintenance



## Multiple Application

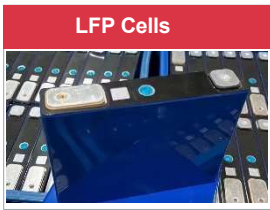
Applicable for peak-shifting, solar integration, back-up power etc.



BatteryModule	3U5000
Cell Technology	LFP (LiFePO4)
Weight	48.0 kg
Dimension (W x D x H)	W 500 D 440 H 15 mm
Energy Capacity	5.12 kWh
Usable Capacity	4.6 kWh
Depth of Discharge (DoD)	90%
Nominal Voltage	51.2 V
Operating Voltage	48V~57.6 V
Max. Charging Current	100 A
Max. Discharging Current	100 A
Operating Temperature	0°C ~ 50°C
Scalability	1~16 in parallel
BMS communication	RS485, CANbus



Battery System Capacity	5 kWh	10 kWh	15 kWh	20 kWh
Dimension (W x D x H)	533*607*472mm	533*607*642mm	533*607*812mm	533*607*982mm
Recommend Discharge Power	2500w	5000w	7500w	10,000w
Depth of Discharge	90%			
Communication Interface	CAN, RS485			
Enclosure Protection Rating	IP21 (Indoor) / IP54 (Outdoor)			
Operating Temperature	0~50°C			
Storage Temperature	-20~60°C			
Humidity	5%~95%			
Life Performance	20 Years (25°C)			
Cycle Life (@25°C)	5000 times (EOL@80%)			
Compatible Inverters	3KW~10KW			
Grid Voltage	120/240Vac (split phase), 208Vac (2/3 phase), 230Vac (single phase)			
Grid Frequency	50/60Hz			
Installation Type	Floor-standing			
Application Scenarios	Back-uppower, On-grid/Off-grid			



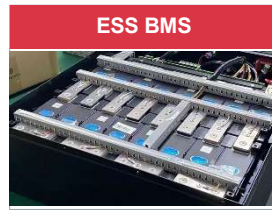
LFP Cells

LiFePO4 3.2v 100Ah



ESS BMS

16S/100A BMS



ESS BMS

51.2V/100A



Shipping

Ready to Ship



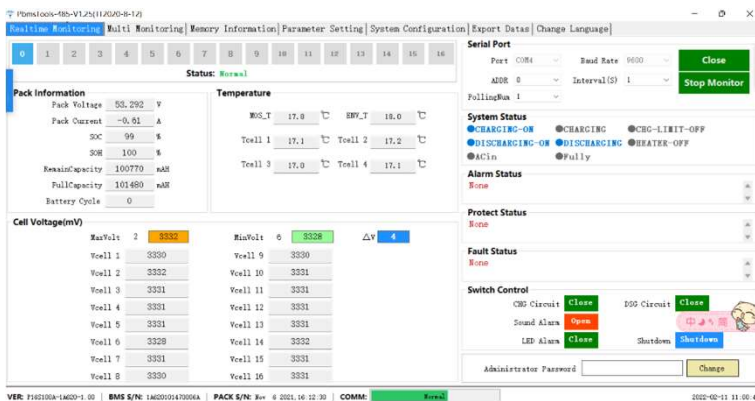
3u5000



Communicate  
RS485/CAN



More...



Computer Monitor

