

BOS-A



◆ Convenient

Quick installation standard embedded designed module is comfortable for installation and maintenance.

◆ Safe and reliable

Cathode material is made from LiFePO4 with safety performance and long cycle life, The module has less self-discharge, up to 6 months without charging it on shelf, no memory effect, excellent performance of shallow charge and discharge.

◆ Intelligent BMS

It has protection functions including over-discharge, over-charge, over-current and over-high or low temperature. The system can automatically manage charge and discharge state and balance current and voltage of each cell.

◆ Eco-friendly

The whole module is non-toxic, non-polluting and environmentally friendly.

◆ Flexible configuration

Multiple battery modules can be in parallel for expanding capacity and power. Support USB upgrade, wifi upgrade(optional), remote up grade(Compatible with Deye inverter).

◆ Wide temperature

Working temperature range is from -20°C to 55°C, with excellent discharge performance and cycle life.

Model		BOS-A				
Main Parameter						
Cell Chemistry		LiFePO4				
Module Energy (kWh)		7.68				
Module Nominal Voltage (V)		38.4				
Module Capacity (Ah)		200				
Module Dimension (W/D/H,mm)		576*601*135				
Module Weight Approximate (kg)		65				
Battery Module Qty In Series (Optional)		7	11	15	18	23
System Nominal Voltage (V)		268.8	422.4	676	691.2	883.2
System Operating Voltage (V)		235.2~302.4	469.6~475.2	504~648	604.8~777.6	745.2~993.6
System Energy (kWh)		53.76	84.48	115.2	138.24	176.64
System Usable Energy (kWh) ¹		48.38	76.03	103.68	124.42	158.98
Charge/Discharge ² Current (A)	Recommend	100				
	Max	150				
Working Temperature (°C)		Charge: 0~55/Discharge: -20~55				
Status Indicator		Yellow: Battery High Voltage Power On Red: Battery System Alarm				
Communication Port		CAN2.0/ RS485				
Humidity		5%~85%RH				
Altitude		≤3000m				
IP Rating of Enclosure		IP20				
Dimension (W/D/H,mm)		629*605*1351	629*605*1921	1258*605*1351	1258*605*1351	1258*605*1921
Weight Approximate (kg)		538	830	1122	1122	1710
Installation Location		Rack Mounting				
Storage Temperature (°C)		0~35				
Recommend Depth of Discharge		90%				
Cycle Life		25±2°C,0.5C/0.5C, EOL70%≥6000				
Warranty ³		10 years				
Certification		CE/IEC62619 /IEC62040/UN38.3/VDE-2510				

1. DC Usable Energy, test conditions: 90% DOD, 0.3C charge & discharge at 25°C. System usable energy may vary due to system configuration parameters.

2. The current is affected by temperature and SOC.

3. The warranty is due whichever reached first of warranty period or life cycle power.