



MECC-100-Ah

Rack High Voltage Lithium Battery

204.8V-768V 100Ah

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.

BMS 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.

Convenient

- Quick installation standard of 19-inch embedded designed module is comfortable for installation and maintenance.

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.

Application scenarios



MODEL		MECC-100-Ah		
MAIN PARAMETER				
Cell Chemistry	LiFePO ₄			
Module Energy(kWh)	5.12			
Module Nominal Voltage(V)	51.2			
Module Capacity(Ah)	100			
Battery Module Qty in series.(Optional)	4(Min)	8(Standard US Cluster)	12(Standard US Cluster)	
System Nominal Voltage	204.8	409.6	614.4	
System Operating Voltage(V)	180~233.6	332.8~467.2	499.2~700	
System Energy(kWh)	20.48	40.96	61.44	
System Usable Energy (kWh) ¹	18.432	36.86	55.29	
Charge/Discharge Current (A) ²	Recommend	50		
	Nominal	100		
	Peak Discharge (2 mins,25° C)	125		
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	≤2000m			
IP Rating of Enclosure	IP20			
Dimension(W/D/H,mm)	589*590*1640		589*590*2240	
Weight Approximate(kg)	258	434	628	
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	5years			
Certification	CE/UN38.3			

