

Energy Storage Battery

51.2V 100Ah
51.2V 200Ah
51.2V 300Ah



Compact size

- Small volume module

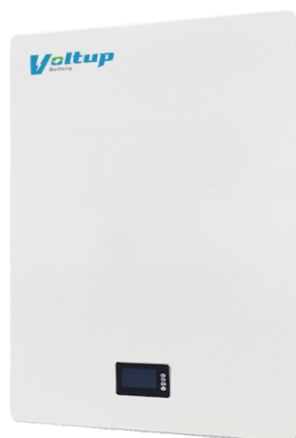
High efficiency

High energy density

- Ample space for connections
- Longer battery life
- The safest lithium iron phosphate chemical system

Application

- Home energy storage system



UN38.3

Battery Specification	LiFePO4 51.2V 100Ah	LiFePO4 51.2V 200Ah	LiFePO4 51.2V 300Ah
Nominal Voltage	51.2V	51.2V	51.2V
Nominal Capacity	100AH	200AH	300AH
Battery String	16s	16s	16s
Energy density	108	137	128
Continuous Discharge Current	100A	200A	200A
Peak Discharge Current	200A-10sec	400A-10sec	400A-10sec
Continuous Charging Current	≤ 50A	≤ 100A	≤ 150A
Off Charge Current	75A - 5 sec	150A - 5 sec	220A - 5 sec
Suggested Charging Voltage	56V		
High-voltage Break	58.4V		
Charging Efficiency	>92%		
Internal Resistance Value	< 100mΩ		
Cycle Life	>2000		
IP Grade	IP30		
Short Circuit Protection	900A-100us		
Low Voltage Protection	40V - 5 sec (2.5vpc)		
Self-discharge	2.50%		
Charging Temperature	0°C to 55°C		
Discharge Temperature	-30°C to 65°C		
Working Humidity	<90% RH		
Storage Temperature	-20°C to 35°C		
Storage Humidity	25 to 85% RH		
Parallel	Support		
Product Weight	47.42kg	75kg	120kg
Product Size	785*470*180mm	860*470*260mm	965*500*310mm