

BATTERY SPECIFICATION

Energy	2.69 kWh	5.04 kWh	5.37 kWh
Installation Type	Wall Mounted		
Battery type-Chemistry	LiFePO4		
Nominal Voltage	25.6 V	48 V	51.2 V
Nominal Capacity	106 Ah		
Energy Density	2731.6 Wh	5088 Wh	5427.2 Wh
Dimensions (L x W x H)	470*350*155 mm	628*400*155 mm	
Weight (Approx.)	28 kg	45 kg	47 kg
Terminal Type	Fast Plug In & Plug Out		
Case Material	SPCC		
Built-in BMS	Yes		
Internal Resistance	< 20 mΩ	< 30 mΩ	
Efficiency - round trip	> 99%		
Self Discharge per Month	< 3%		
Max. Parallel Connection	16 Pcs		
Series Connection	Not Allowed		
Cycle Life (0.2C, 25°C@80% DOD)	> 6000 Cycles		
Discharge Temperature	-20°C to 65°C		
Charge Temperature	0°C to 50°C		
Storage Temperature	-10°C to 30°C		
Bluetooth (App)	Optional		
LCD Screen	Yes		
Heating Function	Optional		
Voltage Window	21.6 V - 29.2 V	40.5 V - 54.75 V	43.2 V - 58.4 V
Recommended Charge Voltage	28.8 ± 0.20V	54 ± 0.20V	57.6 ± 0.20V
Max. Charge Voltage	29.2 ± 0.20V	54.75 ± 0.20V	58.4 ± 0.20V
Recommended Charge Current	50 A		
Max. Continuous Charge Current	100 A		
Recommended Discharge Voltage	22.4 ± 0.20V	42 ± 0.20V	44.8 ± 0.20V
Max. Discharge Voltage	21.6 ± 0.20V	40.5 ± 0.20V	43.3 ± 0.20V
Max. Continuous Discharge Current	100 A		
Peak Discharge Current	150 A		

BMS CHARACTERISTICS

Primary Charging Protection	Current: 105A Delay Time: 1000ms		
Second Charging Protection	Current: 110A Delay Time: 500ms		
Primary Discharging Protection	Current: 110A Delay Time: 5s ± 2s		
Second Discharging Protection	Current: 150A Delay Time: 5s ± 2s		
Over Charge Voltage Protection	Voltage: 29.2V Delay Time: 500ms	Voltage: 54.75V Delay Time: 500ms	Voltage: 58.4V Delay Time: 500ms
Over Discharge Voltage Protection	Voltage: 21.6V Delay Time: 500ms	Voltage: 40.5V Delay Time: 500ms	Voltage: 43.2V Delay Time: 500ms
Temperature Protection	PCB Temperature ≥ 115°C		
	Recover ≤ 85°C		
Communication Port	RS485, RS232, CAN, Dryport		

APPLICATION

