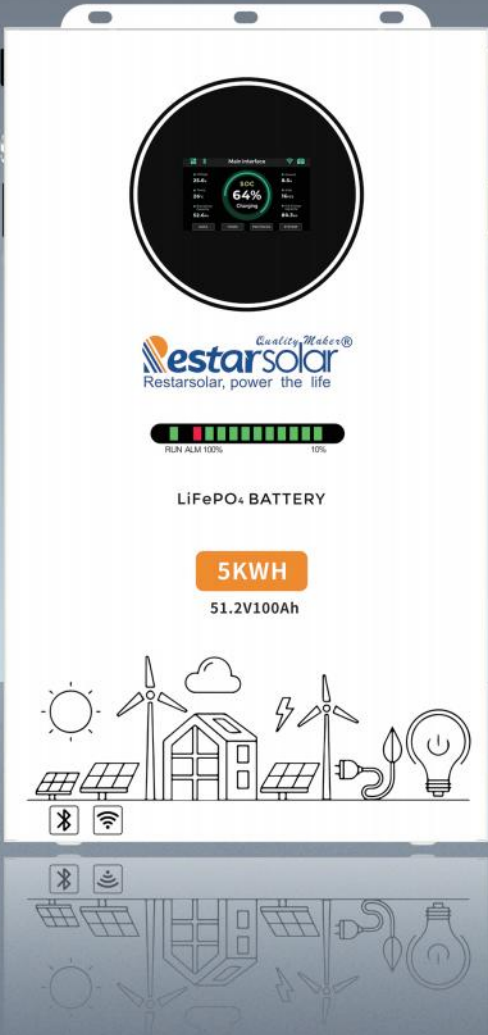


LiFePO4 BATTERY

51.2V100AH(RT-B5KWH-51.2V)





BMS

Integrated Battery Management System (BMS)



Ultra-long cycle life(>3000 Cycles@80-DOD)



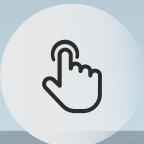
Environment friendly



Charge/discharge 1C



Flexibility Module Design



Touchscreen



Optimal electricity cost



A+Grade Cell

BMS CHARACTERISTICS		
Charging Protection	Current :110A	Delay Time: 1s
Primary Discharging Protection	Current :110A	Delay Time: 1s
Second Discharging Protection	Current :150A	Delay Time: 500ms
Over Charge Voltage Protection	Voltage :58.4V	Delay Time: 1~2s
Over Discharge Voltage Protection	Voltage :43.2V	Delay Time: 1~2s
Temperature Protection	PCB (Temperature≥115°C,Recover≤85°C)	
Communication Port	RS485/CAN for inverter ,RS232 for computer	

estarsolar

BATTERY SPECIFICATIONS	
Battery Type - Chemistry	LiFePO4
Nominal Voltage	51.2V
Nominal Capacity	100Ah
Energy Density	5120Wh
Dimensions(LxWxH)	607.7*362.5*162.3(mm)
Weight	43KG
Case Material	SGCC
BMS Built-in	Yes
Ah Efficiency (Round-trip)	>98%
Self-Discharge per Month	<3.5%
Max in Parallel	15PCS
Max in Series	Not Allowed
LCD Screen	Touchscreen
Voltage Range	43.2V-58.4V
Recommended Charge Voltage	57.6V
Max Charge Voltage	58.4V
Recommended Charge Current	70A
Max Continuous Charge Current	100A
Recommended Discharge Voltage	44.8V
Max Discharge Voltage	43.2V
Max Continuous Discharge Current	100A
Cycle Life(0.5C, 25°C@80% DOD)	6000 Cycles
Recommended Discharge Cut-off SOC	<20%
Recommended Charge Cut-off SOC	>90%
Recommended SOC for Long-term Non-use	40% to 60%
Discharge Temperature	-30°C to 60°C
Charge Temperature	0°C to 60°C
Storage Temperature	-20°C to 60°C(Recommended -10°C to 35°C)
Wi-Fi&Bluetooth App(Optional)	Yes
Certification	UN38.3/MSDS

LiFePO4 BATTERY

51.2V205AH(RT-B10KWH-51.2V)



BMS CHARACTERISTICS		
Charging Protection	Current :210A	Delay Time: 1s
Primary Discharging Protection	Current :210A	Delay Time: 1s
Second Discharging Protection	Current :250A	Delay Time: 500ms
Over Charge Voltage Protection	Voltage :58.4V	Delay Time: 1~2s
Over Discharge Voltage Protection	Voltage :43.2V	Delay Time: 1~2s
Temperature Protection	PCB (Temperature≥115°C,Recover≤85°C)	
Communication Port	RS485/CAN for inverter ,RS232 for computer	

BATTERY SPECIFICATIONS	
Battery Type - Chemistry	LiFePO4
Nominal Voltage	51.2V
Nominal Capacity	205Ah
Energy Density	10496Wh
Dimensions(LxWxH)	637.1*389.8*246.3mm)
Weight	80KG
Case Material	SGCC
BMS Built-in	Yes
Ah Efficiency (Round-trip)	>98%
Self-Discharge per Month	<3.5%
Max in Parallel	15PCS
Max in Series	Not Allowed
LCD Screen	Touchscreen
Voltage Range	43.2V-58.4V
Recommended Charge Voltage	57.6V
Max Charge Voltage	58.4V
Recommended Charge Current	140A
Max Continuous Charge Current	200A
Recommended Discharge Voltage	44.8V
Max Discharge Voltage	43.2V
Max Continuous Discharge Current	200A
Cycle Life(0.5C, 25°C@80% DOD)	6000 Cycles
Recommended Discharge Cut-off SOC	<20%
Recommended Charge Cut-off SOC	>90%
Recommended SOC for Long-term Non-use	40% to 60%
Discharge Temperature	-30°C to 60°C
Charge Temperature	0°C to 60°C
Storage Temperature	-20°C to 60°C(Recommended -10°C to 35°C)
Wi-Fi&Bluetooth App(Optional)	Yes
Certification	UN38.3/MSDS

LiFePO4 BATTERY

51.2V300AH(RT-B15KWH-51.2V)



BMS CHARACTERISTICS		
Charging Protection	Current :210A	Delay Time: 1s
Primary Discharging Protection	Current :210A	Delay Time: 1s
Second Discharging Protection	Current :250A	Delay Time: 500ms
Over Charge Voltage Protection	Voltage :58.4V	Delay Time: 1~2s
Over Discharge Voltage Protection	Voltage :43.2V	Delay Time: 1~2s
Temperature Protection	PCB (Temperature≥115°C,Recover≤85°C)	
Communication Port	RS485/CAN for inverter ,RS232 for computer	

BATTERY SPECIFICATIONS	
Battery Type - Chemistry	LiFePO4
Nominal Voltage	51.2V
Nominal Capacity	300Ah
Energy Density	15360Wh
Dimensions(LxWxH)	834*390*246(mm)
Weight	106.5KG
Case Material	SGCC
BMS Built-in	Yes
Ah Efficiency (Round-trip)	>98%
Self-Discharge per Month	<3.5%
Max in Parallel	15PCS
Max in Series	Not Allowed
LCD Screen	Touchscreen
Voltage Range	43.2V-58.4V
Recommended Charge Voltage	57.6V
Max Charge Voltage	58.4V
Recommended Charge Current	140A
Max Continuous Charge Current	200A
Recommended Discharge Voltage	44.8V
Max Discharge Voltage	43.2V
Max Continuous Discharge Current	200A
Cycle Life(0.5C, 25°C@80% DOD)	6000 Cycles
Recommended Discharge Cut-off SOC	<20%
Recommended Charge Cut-off SOC	>90%
Recommended SOC for Long-term Non-use	40% to 60%
Discharge Temperature	-30°C to 60°C
Charge Temperature	0°C to 60°C
Storage Temperature	-20°C to 60°C(Recommended -10°C to 35°C)
Wi-Fi&Bluetooth App(Optional)	Yes
Certification	UN38.3/MSDS

LiFePO4 BATTERY

51.2V314AH(RT-B16KWH-51.2V)



BMS CHARACTERISTICS		
Charging Protection	Current :210A	Delay Time: 1s
Primary Discharging Protection	Current :210A	Delay Time: 1s
Second Discharging Protection	Current :250A	Delay Time: 500ms
Over Charge Voltage Protection	Voltage :58.4V	Delay Time: 1~2s
Over Discharge Voltage Protection	Voltage :43.2V	Delay Time: 1~2s
Temperature Protection	PCB (Temperature≥115°C,Recover≤85°C)	
Communication Port	RS485/CAN for inverter ,RS232 for computer	

BATTERY SPECIFICATIONS	
Battery Type - Chemistry	LiFePO4
Nominal Voltage	51.2V
Nominal Capacity	314Ah
Energy Density	16077Wh
Dimensions(LxWxH)	834*390*246(mm)
Weight	113KG
Case Material	SGCC
BMS Built-in	Yes
Ah Efficiency (Round-trip)	>98%
Self-Discharge per Month	<3.5%
Max in Parallel	15PCS
Max in Series	Not Allowed
LCD Screen	Touchscreen
Voltage Range	43.2V-58.4V
Recommended Charge Voltage	57.6V
Max Charge Voltage	58.4V
Recommended Charge Current	140A
Max Continuous Charge Current	200A
Recommended Discharge Voltage	44.8V
Max Discharge Voltage	43.2V
Max Continuous Discharge Current	200A
Cycle Life(0.5C, 25°C@80% DOD)	6000 Cycles
Recommended Discharge Cut-off SOC	<20%
Recommended Charge Cut-off SOC	>90%
Recommended SOC for Long-term Non-use	40% to 60%
Discharge Temperature	-30°C to 60°C
Charge Temperature	0°C to 60°C
Storage Temperature	-20°C to 60°C(Recommended -10°C to 35°C)
Wi-Fi&Bluetooth App(Optional)	Yes
Certification	UN38.3/MSDS