

# FIRST SOLID STATE BATTERY



## Solid State

heating 5.43–32.58kWh

Stackable | 660\*300\*320mm

## Stackable battery

- Higher Safety Protection
- Faster Dis/Charging Speed
- Broad range of inverter compatibility
- Intelligent Built-in BMS
- 6pcs Connections in Series

## Features



**8000**  
Cycle  
Life@25°C



**Solid-State**  
LFP Battery Cells



**5,4kWh**  
Single  
battery



**1C**

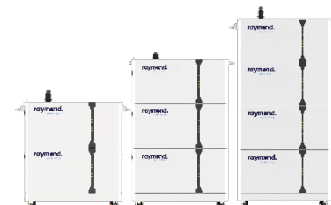


**Increase 8%**  
Energy Density



# Semi-Solid State

5.43-32.58kWh | 660\*300\*320mm



## Technical Specifications

Product Type	5.43kWh	10.86kWh	16.29kWh	21.72kWh	27.15kWh	32.58kWh
Total Energy*	5.43kWh	10.86kWh	16.29kWh	21.72kWh	27.15kWh	32.58kWh
Battery Capacity	53Ah					
Max. recommended DOD	93%					
Max Dis/Charge Power	6.0KW for 3S	12.3kW for 3S	18.4kW for 3S	24.6kW for 3S	30.8kW for 3S	36.9kW for 3S
Voltage	96-112Vd.c	192-224Vd.c	288-336Vd.c	384-448Vd.c	480-560Vd.c	576-672Vd.c
Nominal Voltage	102.4Vd.c	204.8Vd.c	307.2Vd.c	409.6Vd.c	512.5Vd.c	614.4Vd.c
Nominal Dis/charging Current	50A/50A					
Max Charging Current	60A(3s)					
Max Discharging Current	60A (3s)					
Max. Charge Voltage	115.2Vd.c	230.4Vd.c	345.6Vd.c	460.8Vd.c	576Vd.c	691.2Vd.c
Weight (N.W.)	54 kg	113 kg	167 kg	216 kg	270 kg	324 kg
Dimension(mm)(L*W*H)	660*300*320mm	660*300*640mm	660*300*960mm	660*300*1280mm	660*300*1600mm	660*300*1920mm
Operating Condition	Indoor & Outdoor (with shelter)					
Ambient Temperature	Charge	0~55℃				
	Discharge	-20~55℃				
Operating Ambient Temperature	-45~55℃					
WiFi Frequency Range	2400MHz-2483MHz					
Humidity	<60% (No condensed water)					
Over Voltage Category	II					
Cooling Type	Natural cooling					
Installation	Ground Installation					
IP rating	IP65					
Protective Class	I					
Max. Connection Number	6S					
Communication	CAN/ RS485					
Protection Mode	Hardware & software protection					
Battery Protection	Over-current/Over-voltage/Short circuit/ Under-voltage/Over temperature					
Safety	Cell UL TUV					
	CE/TUV					
Transportation	UN 38.3					
Product Warranty	10 years warranty or 8000 cycle All information contained in this document is subject to change without notice					