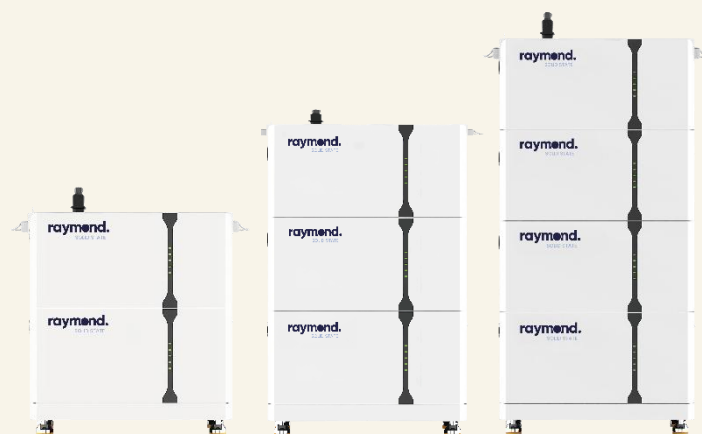


FIRST SEMI-SOLID STATE BATTERY



Marknadens säkraste batterilager

10,8kWh – 32,4kWh – 259kWh

Framtidens batteriteknologi

- ✓ Mer energi över längre tid (throughput), upp till 95% mer än konkurrerande märken
- ✓ Avsevärt högre säkerhet än traditionella batterier
- ✓ I och ur-laddning, justerbar upp till C rate 1
- ✓ Inbyggda värmeelement (option)
- ✓ Bättre tålighet mot omgivningstemperatur med värmeelement
- ✓ Långa garantier 10år med 80% SOH (batterihälsa)
- ✓ Bättre skalbarhet, 10,8kWh – 259kWh
- ✓ Individuell BMS i varje batteri

Features



Cycle

8000 vid 80% SOH
16000 vid 70% SOH
Life@25°C



Semi Solid State

LFP Battery Cells



5,4kWh

Single Battery



0,2 – 1C

Charge & Discharge

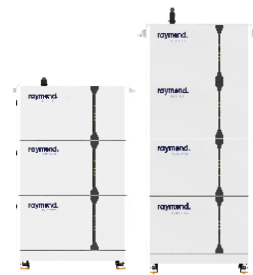


Increase 8%

Energy density



Standard Semi-SolidState



Technical Specifications

5.4kWh / heating 5.4kWh					
Product Type	2-modules	3 modules	4-modules	5 modules	6 modules
Total Energy*	10.8kWh	16.2kWh	21.6kWh	27.0kWh	32.4kWh
Battery Capacity	53Ah				
Max. recommended DOD	93%				
Max Dis/Charge Power	12.3kW for 3S	18.4kW for 3S	24.6kW for 3S	30.8kW for 3S	36.9kW for 3S
Voltage	192-224Vd.c	288-336Vd.c	384-448Vd.c	480-560Vd.c	576-672Vd.c
Nominal Voltage	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	230.4Vd.c	345.6Vd.c	460.8Vd.c	576Vd.c	691.2Vd.c
Weight (N.W.)	108 kg	162 kg	216Kg	270 kg	324 kg
Dimension(mm)(W*D*H)	660*300*640mm	660*300*960mm	660*300*1280mm	660*300*1600mm	660*300*1920mm
Operating Condition					
Temperature range (cell)	Charge	0℃ ~ 55℃			
	Discharge	-20℃ ~ 55℃			
Ambient Temperature		Excl. heating 0℃-55℃		Hardware option. incl. heating -30℃-55℃	
WIFI Frequency Range		2400MHz~2483MHz			
Humidity		0-100% (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 / Transportation		CE/TUV / UN38.3			
Product Warranty		10 years warranty, 8000 cycles with SOH 80%			
All information contained in this document is subject to change without notice					