



High Voltage Stackable Battery

7.5 to 20 kWh

RV-HB G2 Series

RV-HB 075A / RV-HB 100A
 RV-HB 125A / RV-HB 150A
 RV-HB 175A / RV-HB 200A

RV-HB G2 Series

Model:	RV-HB 075A	RV-HB 100A	RV-HB 125A	RV-HB 150A	RV-HB 175A	RV-HB 200A
System Data						
Cell Type	LiFePO4					
Battery Module	HB051050A					
Module Quantity	3	4	5	6	7	8
Rated Energy	7.68 kWh	10.24 kWh	12.8 kWh	15.36 kWh	17.92 kWh	20.48 kWh
Usable Energy	6.91 kWh	9.21 kWh	11.52 kWh	13.82 kWh	16.12 kWh	18.43 kWh
Rated Voltage(V)	158.6	209.8	261	312.2	363.4	414.6
Operating Voltage(V)	125 - 175.2	165 - 233.6	205 - 292	245 - 350.4	285 - 408.8	325 - 467.2
Rated Charging / Discharging Current	25 A / 25 A					
Max.Charging / Discharging Current	30 A / 30 A					
General Data						
Dimensions(W x D x H) (mm)	540*390*600	540*390*730	540*390*860	540*390*990	540*390*1120	540*390*1250
Battery Weight	106.5 kg	137 kg	167.5 kg	198 kg	228.5 kg	259 kg
Module Weight	30.5 kg					
Installation Location	Indoor / Outdoor					
Mounting Type	Floor Mounted					
Operating Temperature Range	"Charge: 0~50 °C Discharge:-20 °C~50 °C"					
Storage Temperature Range	-20 °C~45 °C					
Cooling	Natural Convection					
Ingress Protection	IP65					
Relative Humidity	5~95%,non-condensation					
Communication	CAN					
Certification	IEC 62619 /EN 6100C IEC 62040/UN38.3					
Life Cycle	6000 cycles					



Safety

- Steady and anti-dumping design
- Modular design with plug-in connections
- Quick & easy-to-install with basic tools



Reliable

- IP65 rated design
- Cell-level monitoring
- LFP safe technology
- All-round BMS protection



User-friendly

- Online monitoring via Rahvolt apps
- Stackable and Expandable up to 81.92 kWh (supporting 8 modules per unit, 4 units in parallel)