



High Voltage Stackable
Battery 7.5 to 20 kWh
RV-HB25 G2 Series

RV-HB25 G2 Series

Model:	RV-HB25 075A	RV-HB25 100A	RV-HB25 125A	RV-HB25 150A	RV-HB25 175A	RV-HB25 200A
System Data:						
Cell Type	LiFePO4					
Battery Module	HB051025A					
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)	149.8	199.8	249.7	299.7	349.6	399.6
Operating Voltage (V)	125 - 175.2	165 - 233.6	205 - 292	245 - 350.4	285 - 408.8	325 - 467.2
Rated Power	3.75 kW	4.99 kW	6.19 kW	7.49 kW	8.74 kW	9.99 kW
Rated Charging / Discharging Current	25 A / 25 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	198kg	228.5 kg	259 kg
Module Weight	30.5 kg					
Installtion 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)