



Battery

LFP Safe, Cobalt-Free Battery

IP65 Ingress Rating

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Made in China

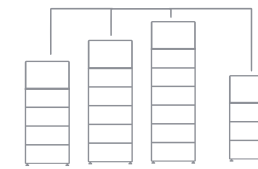
Battery Module



No Additional
Wiring Required



Modular &
Stackable Design



7.6 ~ 132 kWh
Flexible Capacity Expansion

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Battery System Specification

Model	2*RBmax3.8MH	3*RBmax3.8MH	4*RBmax3.8MH	5*RBmax3.8MH	6*RBmax3.8MH
Battery Module	RBmax3.8H (3.84 kWh, 76.8 V, 40kg)				
Number of Battery Modules	2	3	4	5	6
Nominal Energy (kWh)	7.68	11.52	15.36	19.2	23.04
Usable Energy (kWh)	7.06	10.6	14.13	17.66	21.2
Rated Current (A)	45	45	45	45	45
Nominal Power (kW)	6.9	10.3	13.8	15	15
Peak Output Power (kW)	8 for 10 sec.	12 for 10 sec.	16 for 10 sec.	17 for 10 sec.	17 for 10 sec.
Weight	100.4 kg	140.4 kg	180.4 kg	220.4 kg	260.4 kg

Model	2*RBmax5.5MH	3*RBmax5.5MH	4*RBmax5.5MH	5*RBmax5.5MH	6*RBmax5.5MH
Battery Module	RBmax5.5H (5.5 kWh, 76.8 V, 45 kg)				
Number of Battery Modules	2	3	4	5	6
Nominal Energy (kWh)	11.06	16.59	22.12	27.65	33.18
Usable Energy (kWh)	10.18	15.26	20.35	25.44	30.53
Rated Current (A)	50	50	50	50	50
Nominal Power (kW)	7.6	11.5	15	15	15
Peak Output Power (kW)	8 for 10 sec.	12 for 10 sec.	16 for 10 sec.	17 for 10 sec.	17 for 10 sec.
Weight	110.4 kg	155.4 kg	200.4 kg	245.4 kg	290.4 kg

RBmax3.8MH & RBmax5.5MH Series					
Operating Voltage Range (V)	550-950				
Dimensions (W x D x H)	650 x 265 x 780 mm	650 x 265 x 980 mm	650 x 265 x 1180 mm	650 x 265 x 1380 mm	650 x 265 x 1580 mm
Battery Nominal Voltage (V)	153.6	230.4	307.2	384	460.8
Battery Operating Voltage Range (V)	124.8~172.8	187.2~259.2	249.6~345.6	312~432	374.4~518.4
Battery Chemistry	Lithium Iron Phosphate (LiFePO ₄)				
Scalability	Max. 4 in parallel				
Operating Temperature	Charge: 0~50°C, Discharge: -18~50°C (>45°C derating)				
Storage Temperature	≤1 month: -20~45°C, >1 month: 0~35°C				
Relative Humidity	5~95%				
Max. Altitude (m)	4000 m (>2,000 m derating)				
Protection Degree	IP65				
Cooling Method	Natural Convection				
Mounting Options	Indoor / Outdoor, Floor standing, Wall mounted				
DC Protection	Circuit Breaker, Fuse, DC-DC converter				
Protection Features	Over Voltage / Over Current / Short Circuit / Reverse Polarity				
Certifications	CE, VDE-AR-E 2510-50, EN IEC 62619, EN IEC 62477, EN IEC62040, RCM, CEC, UN38.3				

Battery Optimizer	RMH95050
Voltage Range(V)	550-950
Max. Charge / Discharge Current(A)	27
Communication	CAN, RS485
Scalability	Max. 4 in parallel
Dimensions (W x D x H)	650 x 265 x 270mm
Weight	15 kg