

Residential Energy Storage Low-voltage LiFePO₄ Battery Series



-  CE, IEC, CB, UN38.3 approved
-  Support rack, wall, stack and floor mounted
-  Support Max. 16 units in parallel
-  Support ODM & OEM & Monitoring APP customization
-  Compatible with mainstream inverters

Model	MGB-RES-R51100A	MGB-RES-R51200A	MGB-RES-W51100A
Nominal Voltage / Capacity	51.2 V / 100 Ah	51.2 V / 200 Ah	51.2 V / 100 Ah
Nominal Energy	5120 Wh	10240 Wh	5120 Wh
Standard Charge Current	50 A	100 A	50 A
Max. Charge Current	100 A	200 A	100 A
Standard Discharge Current	50 A	100 A	50 A
Max. Discharge Current	100 A	200 A	100 A
Dimensions	483 x 460 x 140 (mm)	483 x 600 x 266 (mm)	620 x 380 x 160 (mm)
Weight	39.5 kg	79.15 kg	46 kg
Lifecycle	≥ 6000		
IP Rating	IP20		
Operating Temperature	-20 °C to +55 °C		
Expansions	1S16P		
Certifications	IEC, UN38.3, CE, CB		

MGB-RES-W51200A	MGB-RES-S51100A	MGB-RES-S51200A	MGB-RES-F51300A
51.2 V / 200 Ah	51.2 V / 100 Ah	51.2 V / 200 Ah	51.2 V / 300 Ah
10240 Wh	5120 Wh	10240 Wh	15360 Wh
100 A	50 A	100 A	100 A
200 A	100 A	200 A	200 A
100 A	50 A	100 A	100 A
200 A	100 A	200 A	200 A
840 x 478 x 160 (mm)	650 x 450 x 170 (mm)	700 x 400 x 230 (mm)	428 x 366 x 708 (mm)
84 kg	46 kg	85 kg	135 kg
≥ 6000			
IP20			
-20 °C to +55 °C			
1S16P			
IEC, UN38.3, CE, CB			