

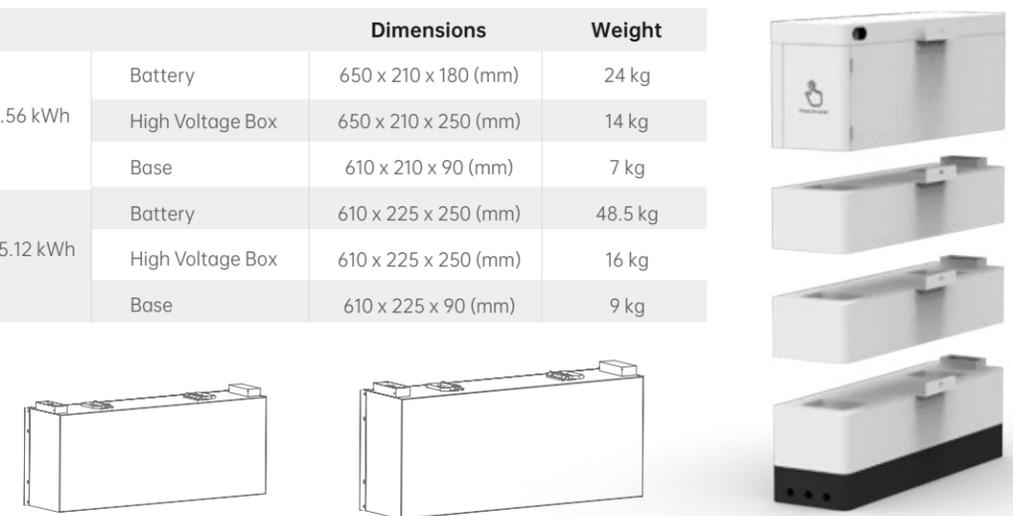
# Residential Energy Storage High-voltage LiFePO<sub>4</sub> Battery Series



- Easy installation
- Compatible with mainstream inverters
- Flexible capacity from 10 to 30 kWh
- 20 °C cold climate outdoor & indoor installation
- IEC, UL, UN38.3 approved
- Support ODM & OEM & Monitoring APP customization
- Support stackable up to 6 modules

# Single Module Technical Specifications

Model		Dimensions	Weight
51.2 V 50 Ah 2.56 kWh	Battery	650 x 210 x 180 (mm)	24 kg
	High Voltage Box	650 x 210 x 250 (mm)	14 kg
	Base	610 x 210 x 90 (mm)	7 kg
51.2 V 100 Ah 5.12 kWh	Battery	610 x 225 x 250 (mm)	48.5 kg
	High Voltage Box	610 x 225 x 250 (mm)	16 kg
	Base	610 x 225 x 90 (mm)	9 kg



# High Voltage LiFePO<sub>4</sub> Battery

Model	MGB-HV10	MGB-HV15	MGB-HV20	MGB-HV25	MGB-HV30
Number of Battery Module	4	6	4	5	6
Energy	10.24 kWh	15.36 kWh	20.48 kWh	25.6 kWh	30.72 kWh
Nominal Voltage	204.8 V	307.2 V	179.2 to 224.6V	224 to 280.8 V	268.8 to 350.4 V
Dimensions	650 x 210 x 1060 (mm)	650 x 210 x 1060 (mm)	610 x 225 x 1390 (mm)	610 x 225 x 1640 (mm)	610 x 225 x 1890 (mm)
Weight	117 kg	165 kg	223 kg	276 kg	329 kg
Recommended Charging Current	25 A		50 A		
Max. Continuous Charging / Discharging Current	50 A		100 A		
Communication	RS485 / CAN		RS485 / CAN		
Charging Temperature	0 to +45 °C		0 to +45 °C		
Discharging Temperature	-20 to +55 °C		-20 to +55 °C		
Relative Humidity	5% to 95%				
Cooling Method	Air cooling				
Lifecycle	≥ 6000 @ 80% DOD, 25 °C / 0.5 C				
IP Rating	IP65				
Certifications	UN38.3				