

MBL160



Long lifespan

- Up to 8,000-cycle lifespan ensures reliable, long-term use



Safety

- High-safety LFP battery
- Supports up to 5 types of safety detection



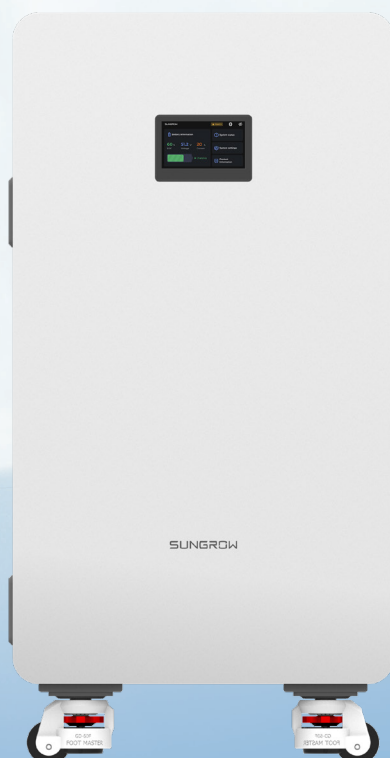
Flexibility

- Supports parallel connection of 2 to 20 modules, scalable up to 320 kWh



Easy Installation

- Touchscreen for easy operation
- Equipped with wheels for effortless transport



Technical properties		MBL160
System Data		
Battery type		LiFePO4
Nominal energy		16.08 kWh
Battery cycles		8000 @ (25 °C, 90 % DOD, 0.5P, 70 % SOH)
Nominal voltage		51.2 V
Voltage range		44.8 V – 57.6 V
Nominal charging / discharging current		157 A
Max. charging / discharging current		200 A
Peak charging / discharging current (3 s)		220 A
Min. discharging current		2 A
Communication		
Display		LCD touchscreen
Communication interface		CAN / RS485
Protection		
Over / under voltage protection		Yes
Over current protection		Yes
Over / under temperature protection		Yes
DC breaker		Yes
General Data		
Dimensions (W * H * D)		432 mm * 855 mm * 243 mm
Weight		114.2 kg
Degree of protection		IP20
Mounting method		Floor-mounted (built-in casters)
Installation location		Indoor
Operating ambient temperature range		Charge: 0 to 55 °C (32 °F to 131 °F) Discharge: -20 to 55 °C (-4 °F to 131 °F)
Allowable relative humidity range		5 % to 95 % no condensing
Storage condition		6 months @ 25 °C; 3 months @ 35 °C; 1 month @ 45 °C
Max. operating altitude		2000 m
Cooling method		Natural convection
Max. parallel units		20
Certification		CE, IEC 62619, UN 38.3, MSDS, RoHS, REACH
Compatible inverters		MG5 / 6 / 8 / 10RL