SUNGROW
Clean power for all

NEW

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 ℃ (32 ˚F to 131 ˚F) Discharge : -20 to 55 ℃ (-4 ˚F to 131 ˚F)
Allowable relative humidity range	5 % to 95 % no condensing
Storage condition	6 months @ 25 ℃; 3 months @ 35 ℃; 1 month @ 45 ℃
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

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