MBL160-PF

HIGH YIELD

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

SAFETY

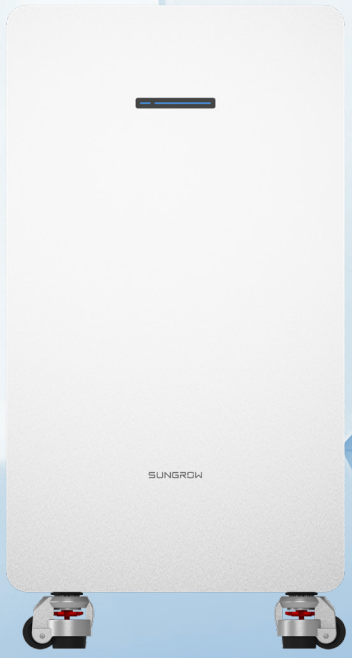
- High-safety LFP battery
- Built-in aerosol fire extinguisher

Flexibility

- Supports parallel connection up to 20 units, scalable up to 320 kWh

Easy Installation

- Dual output power terminals
- Equipped with wheels for effortless transport [1)]



Technical properties	MBL160-PF
System Data	
Battery type	LiFePO4
Nominal energy	16.076 kWh
Battery cycles [2]	8000
Nominal voltage	51.2 V
Voltage range	44.8 to 57.6 V
Nominal charging / discharging current	157 A / 157 A
Max. charging / discharging current	200 A / 200 A
Peak charging (1s) / discharging current (3s)	210 A / 300 A
Min. discharging current	0.4 A
Communication	
Display	LED
Communication interface	CAN / RS485
Protection	
Over / under voltage protection	Yes
Over current protection	Yes
Over / under temperature protection	Yes
DC breaker	Yes
Safety Protection	Built-in aerosol fire extinguisher
General Data	
Dimensions (W*H*D)	480 mm * 850 mm * 240 mm
Weight	120 kg
Degree of protection	IP65
Mounting method [1]	Floor-mounted (Built-in casters) or Wall-mounted (Optional)
Installation location	Outdoor and Indoor
Operating ambient temperature range	Charge：0 to 50 °C (32 °F to 122 °F) Discharge：-20 to 55 ℃ (-4 °F to 131 °F)
Allowable relative humidity range	5 - 95 % (non-condensing)
Storage condition	12 month @ 25 ℃; 6 month @ 35 ℃; 3 month @ 45 ℃
Max. operating altitude	2000 m
Cooling method	Natural convection
Max. parallel units	20
Certification	CE, IEC61000-6, IEC 62619, IEC 62477, UN 38.3, MSDS, RoHS
Compatible inverters	MG5 / 6 / 8 / 10 / 12RL, MH6S, MG10 / 12 / 15 / 20TL

[1] The MBL160-PF require additional wall mounting accessories.

[2] Life cycle test conditions: 70% EOL, 0.5C charge & discharge at 25°C.