

Movable Battery (LV)

MV-LV-48628

48V



FEATURES

▪ **Extra-large capacity**

A single battery can deliver up to 32.153 kWh of energy, sufficient to meet daily usage needs without requiring additional batteries to be connected.Up to 15 units can be connected in parallel,expandable to 482.304kWh.

▪ **SOC Light**

Equipped with an SOC indicator light, monitor the remaining power level in real time.

▪ **Embedded LCD display**

Features an integrated high-brightness LCD display for real-time monitoring of critical operational data including voltage, current, capacity, and temperature, enabling convenient on-site supervision for users.

▪ **Easy to Move**

There are sturdy handles on both sides of the top of the battery, which supports lifting by ropes, and the bottom is equipped with four heavy Footmaster Nylon Wheels, which are very smooth to move on flat ground.

▪ **Multi-Brand Compatibility**

Compatible with multiple inverter protocols from various brands, supports CAN/RS485 for seamless communication with popular solar inverters.

Model	48V 628AH
Nominal Voltage	51.2V
Rated Capacity	628AH
Charge Method	CC/CV
Charge Voltage	58.4V
Bulk/Absorption Voltage	58.4V
BMS Balancing Voltage	Any cell voltage =3.45V Max Voltage difference between cells >30mV
Equalize Voltage	In Charging Not applicable
Float Voltage	Not applicable
Temperature Compensation	No/Disable
Charge Cut-off Voltage	58.4V
Discharge Cut-off Voltage	40V
Recommended Charge Current	150A
Recommended Discharge Current	150A
Maximum Continuous Charge Current	300A
Maximum Continuous Discharge Current	300A
Peak Current	310A/1s
WiFi	Yes
Bluetooth	Yes
Communication	CAN/R5485/RS232
Self Heating	No
Protection Rating	IP30
BMS Protection	Over and Low voltage Charge and Discharge Over current Short circuit High and Low temperature
Internal Resistance	≤30mΩ
BMS Leakage Current	≤10mA
Charge Temperature Range	32°F(0°C) to 131°F(55°C)
Discharge Temperature Range	-4°F(-20°C) to 131°F(55°C)
Storage Temperature 1 week	-4°F(-20°C) to 149°F(65°C)
Storage Temperature 1 month	-4°F(-20°C) to 113°F(40°C)
Storage Temperature 1 year	-4°F(-20°C) to 77°F(25°C)
Humidity Operating	5% to 90% RH
Humidity Storage	35% to 85% RH
Certifications	MSDS; UN38.3; CE; PSE
Cycle Life	6000 cycles
Weight (lbs/kg)	573.50 / 260
Size (inch/mm)	39.06*15.75*31.50 / 992*400*800