



Brief Introduction

The MB48LI is a lithium-ion (NCM) battery unit with battery management system (BMS) for use with an external inverter or charger. All systems can be expanded at any time with the battery modules MB48LI (same capacity).

MB48LI can be connected in parallel. This increases the maximum capacity - flexible in same steps at the same time, the excellent NCM battery technology shows its full effect.

Features

- Longer Lifetime more than 6000 cycles
- 20 years design life
- Modular Design
- Flexible capacity configuration
- Easy to instal the standard 19" design with helpful pulling ear quick stacking.

Applications

- Residential PV Installations for self-consumption applications
- Commercial and Industrial installations for peak shaving
- Telecom industry for back up power
- Micro Grid



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Battery module	MB48LI36	MB48LI50	MB48LI63	MB48LI82
Battery Type	Li-Ion / NCM			
Output power	Max 1.8 Kwh	Max 2.4 Kwh	Max 3.3 Kwh	Max 4.2 Kwh
Usable battery energy	1.60 Kwh	2.15 Kwh	3.05 Kwh	3.95 Kwh
Nominal voltage	51.8V			
Energy efficiency	>97%			
BMS with Equalization	Yes			
Working voltage	44.8V - 58.6V			
Communication	No			
Net Weight	12.3Kg	16.5Kg	20.7Kg	22.1Kg
Dimension	W 482.5mm * D 398.5mm * H 88.9mm		W 482.5mm * D 498.5mm * H 88.9mm	
Battery Cycle life	6000 [100%DOD,+20°C,80% Capacity left]			
Operating temperature	0°C~+55°C			
Storage temperature	-20°C~55°C			
IP level	IP20			
Maintenance	Charge the battery half a year when storage or inactive status			
Scalability	Yes , Up to 100 Modules			
Warranty	10 years with recomend parameters			