



### Brief Introduction

The MB48LI82 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 MB48LI82.

MB48LI82 can be connected in parallel. This increases the maximum capacity - flexible in 4.2 kWh 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	<b>MB48LI82</b>
Battery Type	Li-Ion
Output power	Max 4.2 Kwh
Usable battery energy	3.8 Kwh
Nominal voltage	51.8V
Energy efficiency	>97%
BMS with Equalization	Yes
Working voltage	44.8V - 58.6V
Communication	No
Net Weight	21.6Kg
Dimension	Width 482.5* depth 498.5* mm *height 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 420Kwh
Warranty	10 years with recomendated parameters