

Lithium Ion Battery specification

LITHIUM ION battery	Li ion Battery @ 5.3KWH module 48V, 100AH with its rack, terminal cables and connectors etc. Green ROHS compliant - No Lead
Nominal voltage	48V
Rated Capacity	100Ah
Voltage range	42-57 V
Rated Energy	5.3KWH @ 100% DOD at 25°C & 4.24 KWH @ 80% DOD at 25°C
Battery Configuration	16S2P
Max charge voltage	56.8±0.4V
Rated charge voltage	56±0.4V
Allowed max charge current	50A
Recommend charge current	40A
Built in automatic protection	Over -charge, over discharge, short circuit, high temperature, cell balancing, over current
Over charge protection release	Restart the battery
Max discharge current	120A 5S (3KW inverter)
Recommend discharge cut off voltage	42V
Charge cutoff voltage	57V
Cycle life +25	3000 cycles as per IEC 62620 standard
Operation temperature	Charge: 0~45°C; Discharge: -20~60°C
Storage Condition	Temperature: -30~45 °C
Power switch	ON: all function start; OFF: all function shut down
Communication	RS485 for LCD remote control (option); Can card support ten packs parallel.
Dimension	L*W*H(unit)=680x400x238 mm L*W*H(shipping)=815*425*515mm
Installation type	Rack
Weight	Min 35-45KG Max