ECOLiON

Parameter Table



This manual is for use with ECOLiON-L12A

1. Specifications

Model	ECOLiON-L12A
Capacity	12kWh
Battery Type	LiFePO4
Nominal Voltage	51.2V
Operating Voltage	40-58.4V
Recommend Charge Current[1]	≤75A
Maximum Discharge Power	7.6kW
Depth of Discharge (DOD)	≥95%
Scalability	up to 15 units in parallel
Communication	RS485/CAN
Protection Level	IP21
Cycle Life[2]	≥6000 Cycles
Charging Temperature Range	0-55°C
Discharging Temperature Range	-20-60°C
Display	LED
Installation	Floor-Mounted
Protection	Built-in smart BMS, Breaker
Warranty	5 Years
Net Weight	119kg
Gross Weight	136kg
Product Dimension	870*470*310mm
ckage Dimension	1060*575*515mm
[1] Recommend charge/discharge current power is affected by temperature and SOC.	
[2] Test conditions: 0.2c Charging/Discharging @25°C,80% DOD.	

2. Recommended Settings

Lithium battery pack is not same as lead-acid battery, so for the devices which you connect with the battery pack for charging or discharging, such as inverters, MPPT charger controllers or UPS, please implement pre-settings as recommended settings as below before you launched them.

Setting	ECOLiON-L12A
Max. Charging Voltage	58.4V
Floating charging Voltage	57V
Max. Charging Current	150A
Cut-off voltage	40V