ECOLiON

# Parameter Table




**This manual is for use with ECOLiON-47E**

## 1. Specifications

| Model | ECOLiON-47E |
|---|---|
| Capacity | 24kWh |
| Battery Type | LiFePO4 |
| Nominal Voltage | 51.2V |
| Operating Voltage | 40-58.4V |
| Recommend Charge Current[1] | ≤150A |
| Maximum Discharge Power | 10.2kW |
| 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 | 234kg |
| Gross Weight | 265kg |
| Product Dimension | 1050*800*330mm |
| ckage Dimension | 1240*905*535mm |
| [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-47E |
|---|---|
| Max. Charging Voltage | 58.4V |
| Floating charging Voltage | 57V |
| Max. Charging Current | 300A |
| Cut-off voltage | 40V |