

Residential Energy Storage Battery (Rack-mounted) Leoch LR51.2-100

Description



LR51.2-100

Product Introduction

- *Maximum flexibility for any application with up to 16 modules connected in parallel
- *LED display for voltage, current, temperature, convenient for users to query
- *Compatible with market leading 1 and 3 phase inverters
- *Low self discharge rate of 2 years before required recharging
- *Built-in BMS provides multiple protection functions
- *Safe, cobalt free lithium iron phosphate (LFP) battery

| ITEMS | PARAMETERS |
|--------------------------|------------|
| Model | LR51.2-100 |
| Rated Capacity (5HR) | 100 Ah |
| Nominal Voltage | 51.2 V |
| Discharge Ending Voltage | 43.2 V |
| Charging Limited Voltage | 57.6 V |
| Max. Charging Current | 100A |

| | |
|-----------------------------------|--|
| Max. Continue Discharging Current | 100A |
| Weight | Approx. 43Kg |
| Dimensions (WDH) (mm) | 442 * 431 * 177 |
| Display | With display screen |
| Protocol | CANBUS/ MODBUS |
| Parallel Connection | Parallel connection is optional (up to 16P) |
| Cell | 3.2V 100Ah |
| Design life | More than 20 years |
| Cycle Life | More than 5000 cycles at 80% DOD. |
| IP Class | IP31 |
| Outer Package Material | Black bake lacquer steel case (battery rack or cabinet is optional) |
| Operating Temperature | Charging: 0 to +60°C Discharging: -20 to +60°C Storage: -20 to +60°C |
| Certificates | IEC62619/CE/UN38.3/UL1973 |

Constant Current Discharge Table (Amperes) at 25°

| | | | | | |
|--------------------------|-------|------|-----|-----|---------|
| Voltage / Time | 1 h | 2 h | 3 h | 5 h | 10 h |
| End of discharge voltage | 43.2V | 100A | 50A | 33A | 20A 10A |

Constant Power Discharge Table (Watts) at 25°

| | | | | | |
|--------------------------|-------|-------|-------|-------|------------|
| Voltage / Time | 1 h | 2 h | 3 h | 5 h | 10 h |
| End of discharge voltage | 43.2V | 5120W | 2560W | 1689W | 1024W 512W |