

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°C

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

Constant Power Discharge Table (Watts) at 25°C

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