



# 12100-ECO

Voltage: 12.8V | Capacity: 100 Ah | Group: 24

Features: IP 54, 4500+ Cycles



**6 YEAR**  
MANUFACTURER  
WARRANTY

## ELECTRICAL SPECIFICATIONS

Nominal Voltage	12.8V
Nominal Capacity	100Ah
Cell Configuration:	4S1P
Energy Stored	1.28Kwh
Max Charge Voltage:	14.6V
Operating Voltage Range:	10.0V - 14.6V
Series Connections	Max (4) in Series
Parallel Connections	Max (16) in Parallel, Plug & Play
Low-Temperature Charge Protection	Yes
Bluetooth	No
Self-Heating	No

## DISCHARGE SPECIFICATIONS

Maximum Continuous Discharge Current	100A
Maximum Discharge Current	200 Amps
Max Discharge Peak Current Amps:	300A (5 Seconds)
Max Charge Current Amps:	100A Continuous

## TEMPERATURE SPECIFICATIONS

Discharge Temperature	-20°C (-4°F) - 60°C (140°F)
Charge Temperature*	0°C (32°F) - 55°C (131°F)
Recommended Storage Temperature	0°C (32°F) - 35°C (95°F)
Cell Charge Temperature	0°C (32°F) - 55°C (131°F)
Reconnect Temperature	122 °F (50°C)

## MECHANICAL SPECIFICATIONS

Dimensions (L x W x H)	10.25 x 6.75 x 9.00"
Weight	21 lbs
Case Material	ABS & PC blend (UL94-V0 flame rating)
Enclosure Protection	IP54
Cell Type - Chemistry	Prismatic - LiFePO4

## CHARGE SPECIFICATIONS

Maximum Continuous Charge Current:	100A
Bulk/Absorption:	14.2V-14.4V
Absorption End Condition:	Stop when charge current ≤C/20 or 15 min max
Float Voltage:	Disabled (preferred) or 13.3V-13.6V
Re-bulk:	13.2V
Temperature Compensation:	0mV/°C (none)
Equalization:	Disabled
Battery Charge Temperature Range:	0°C (32°F) / 55°C (131°F)
BMS High Voltage Cutoff:	14.6V
SoC Recalibration:	14.6V

## COMPLIANCE SPECIFICATIONS

Certifications	UL 1642 (Cells) UL 9540A (Cells) IEC 62619:2022 CE, RoHS
Shipping Classification	UN 38.3, CLASS 9

## DIMENSIONAL SPECIFICATIONS

