

# 12300A-H

Voltage: 12.8V | Capacity: 300AH | Group 31

Features: IP54, Bluetooth, Self-Heating

**11 YEAR**  
MANUFACTURER  
WARRANTY



## ELECTRICAL SPECIFICATIONS

Nominal Voltage	12.8V
Nominal Capacity	300Ah
Cell Configuration:	4S1P
Energy Stored	3.84Kwh
Max Charge Voltage:	14.6V
Operating Voltage Range:	10.0 - 14.6V
Series Connections	Max (4) in Series
Parallel Connections	Max (4) in Parallel, Plug & Play
Low-Temperature Charge Protection	Yes
Bluetooth:	Yes
Self-Heating:	Yes

## DISCHARGE SPECIFICATIONS

Max Continuous Discharge:	200A
Max Discharge 3 Sec:	400A
Discharge Temp Range:	-20°C (-4°F) / 60°C (140°F)

## TEMPERATURE SPECIFICATIONS

Discharge Temperature	-20°C (-4°F) - 60°C (140°F)
Charge Temperature	-20°C (4°F) - 55°C (131°F) (with heating)
Recommended Storage Temperature	0°C (32°F) - 35°C (95°F)

## MECHANICAL SPECIFICATIONS

Dimensions (L x W x H)	13.75" @Base, 15.5" @ Handles x 7.63" x 10.0", 10.5" with terminal bolts
Weight	58 lbs
Case Material	ABS & PC blend (UL94-V0 flame rating)
Enclosure Protection	IP54

## CHARGE SPECIFICATIONS

Max Continuous Charge Current:	200A
Bulk/Absorption:	14.2V - 14.6V
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

