



**MODEL: IC-12V300-EP4S**

**Lithium Ion Deep Cycle Battery**

**ELECTRICAL SPECIFICATIONS**

Nominal Voltage	12.8 V
Nominal Capacity	300 Ah
Capacity @ 25A	720 min
Energy	3840 Wh
Resistance	≤50 mΩ @50% SOC
Efficiency	99%
Self Discharge	<3% per Month
Maximum Modules in Series	4

**DISCHARGE SPECIFICATIONS**

Maximum Continuous Discharge Current	200 A@25°C
Peak Discharge Current	350A (3s)
BMS Discharge Current Cut-Off	350A (3s)
Recommended Low Voltage Cut-Off	11 V
BMS Discharge Voltage Cut-Off	10 V
Reconnect Voltage	11.2V
Short Circuit Protection	200-600 μs

**TEMPERATURE SPECIFICATIONS**

Discharge Temperature	-4 to 140°F (-20 to 60°)
Charge Temperature	-4 to 113°F (-20 to 45°C)
Storage Temperature	23 to 95°F (-5 to 35°C)
BMS High Temperature Cut-Off	149°F (65°C)
Reconnect Temperature	122°F (50°C)

**MECHANICAL SPECIFICATIONS**

Dimensions (Lx W x H)	20.5x10.6x8.7"
	520.7x269.2x221 mm
Weight	83.1 lbs
Terminal Type	UNC 3/8
Terminal Torque	80 - 100 in-lbs (9 - 11 N-m)
Case Material	ABS
Enclosure Protection	IP55
Cell Type - Chemistry	Prismatic- LiFePO <sub>4</sub>

**CHARGE SPECIFICATIONS**

Recommended Charge Current	150 A
Maximum Charge Current	200 A@25°C
Recommended Charge Voltage	14.2 V - 14.6 V
BMS Charge Voltage Cut-Off	15.2 V
Reconnect Voltage	14.4 V

**COMPLIANCE SPECIFICATIONS**

Certifications	CE (battery) UL1642 & IEC62133 (cells)
BCI Group Size	8D

**Feature**

- BlueTooth APP
- Heater Inside



**Monitor your battery's vitals straight from your smartphone.**