



# BATTERY SPECIFICATION SHEET



## Enduro Power Baja Series 12V 300Ah Deep Cycle LiFePO4 Battery

### EN300BAJA

#### Product Specifications

##### Basic Electrical Specification

Nominal Voltage	12.8 V
Nominal Capacity	300 Ah
Energy	3840 Wh
Resistance	≤0.5mΩ
Efficiency	99%
Self Discharge	≤3% per month
Parallel Connection	6+ (call us if over 6)
Series Connection	24, 36, 48V

##### Charge Specification

Recommended Charge Current	30 A - 125A
Maximum Charge Current	200 A
Recommended Charge Voltage	14.6 V
BMS Charge Voltage Cut-Off	14.8 V (3.9 ±0.025 vpc) (1.1 ±0.4 s)
Reconnect Voltage	14.2 V (3.8 ±0.05 vpc)
Balancing Voltage	13.6 V (3.6 ±0.025 vpc)

##### Discharge Specification

Maximum Continuous Discharge Current	200 A
Peak Discharge Current	400 A (3-5s)
BMS Discharge Current Cut-Off	750 A (150ms)
Recommended Low Voltage Disconnect	10.5 V
BMS Discharge Voltage Cut-Off	9.4 V (2.0 ±0.08 vpc) (140 ±60 ms)
Reconnect Voltage	10.2 V (2.3 ±0.1 vpc)
Short Circuit Protection	200-300 μs

##### Temperature Specification

Discharge Temperature	-4 to 130 °F (-20 to 55 °C)
Charge Temperature	32 to 130 °F (0 to 55 °C)
Storage Temperature - 1 month	-4 to 113 °F (-20 to 45 °C)
Storage Temperature - 1 year	32 to 95 °F (0 to 35 °C)
BMS High Temperature Cut-Off	176 °F (80 °C)
Reconnect Temperature	122 °F (50 °C)
BMS Low Temperature Cut-Off (Charging)	32 °F (0 °C)
Reconnect Temperature (Charging)	41 °F (5 °C)

#### BMS Overview

Over Current Protection	yes
Under Voltage Protection	yes
Over Voltage Protection	yes
Overload Protection	yes
High Temperature Protection	yes
Low Temperature Protection	yes
Short Circuit Protection	yes

#### Certifications

MSDS Datasheet	MSDS
UN38.3	DG61
CE Certification	EN61000-6-1, EN61000-6-3
ROHS Certification	ROHS
FCC Certification	Part15B
IEC62619 documentation or 49 CFR	IEC62619 / 49 CFR 173.185
IMDG Code	UN3840 / Class 9

#### Mechanical Specifications

Dimensions (L x W x H)	20.53 x 10.6 x 8.69" (521 x 269 x 221 mm)
Weight	65 lbs (30 kg)
Terminal Type	M8 (22mm)
Terminal Torque	10 ~12 N-m
Case Material	ABS
Enclosure Protection	IP65
Cell Type - Chemistry	Prismatic - LiFePO4

