

AVENTURA 12V 300Ah



Bluetooth

Technical Specifications

CHARGE SPECIFICATIONS

Recommended Charge Current	5 A - 80 A (14.6V - 60A)
Maximum Charge Current	150 A
Recommended Charge Voltage	14.2 V - 14.6 V (Bulk) 13.6 V (Float)
High Voltage Disconnect	16.7 V
High Voltage Reconnect	16.4 V

TEMPERATURE SPECIFICATIONS

Charge Temperature	0 to 45 °C
Discharge Temperature	-20 to 60 °C
High Disconnect Temperature	60 °C
High Reconnect Temperature	55 °C
Storage Temperature	-10 à 45 °C



ELECTRICAL SPECIFICATIONS

Voltage	12.8 volt
Capacity	300 Ah
Capacity @ 20A	900 min
Energy	3840 Wh
Auto-Discharge	<3% per Month
Maximum Unit in Series	4
Maximum Unit in Parallel	4

DISCHARGE SPECIFICATIONS

Continuous Discharge Current	150 A
Peak Discharge Current	200 A (30s)
Disconnect Charge Current	300 A (1s)
Low Voltage Disconnect	10 V
Low Voltage Reconnect	12 V
Short Circuit Protection	yes

NUMBER OF CYCLES ACCORDING TO THE DISCHARGE %

Discharge 30%	8200 cycles
Discharge 80%	6000 cycles
Discharge 100%	3000 cycles

Remaining integrity (SOH) of 83% after 3560 discharge cycles at 100% @ 1C

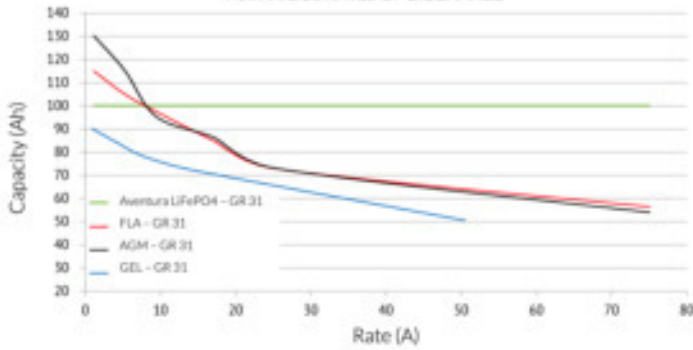
MECHANICAL SPECIFICATIONS

Dimensions (LxWxD)	520 x 269 x 220 mm
Group 8D	20,47 x 10,59 x 8,66 po
Weight	73 lbs
Terminal Type	M8
Ingress Protection Marking	IP65

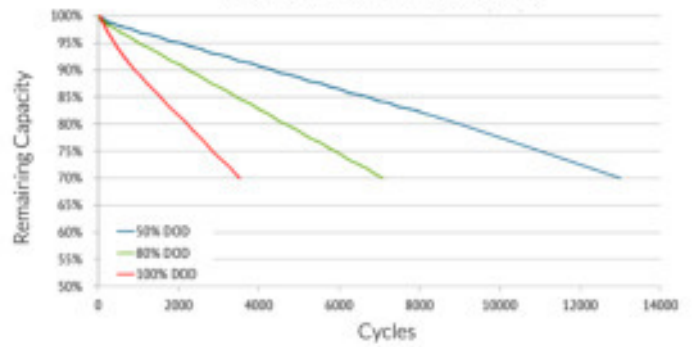
CERTIFICATIONS

Conception	4S3P
Certifications	UL 1973 CE RoHs
Shipping Classification	UN 3480 CLASS 9
Cell Type	SquareCell - LiFePO4 - 3.2V Grade A+

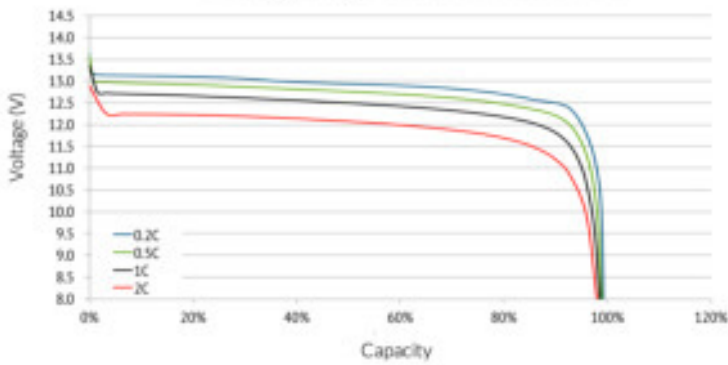
Aventura (LiFePO4) vs Lead Acid
At VARIOUS RATES OF DISCHARGE



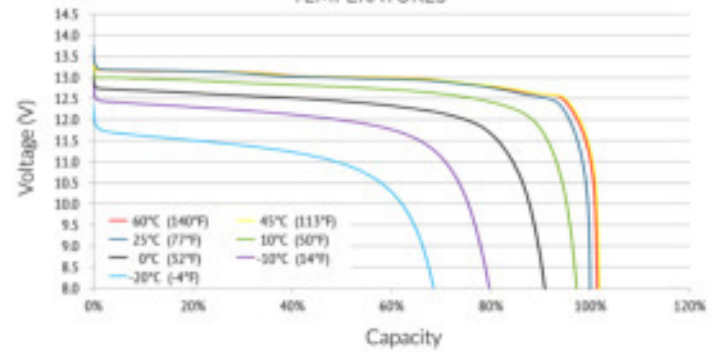
Cycle life vs depth of discharge (DOD)
Discharge 0.5C / Charge 0.5 @ 25°C (77°F)



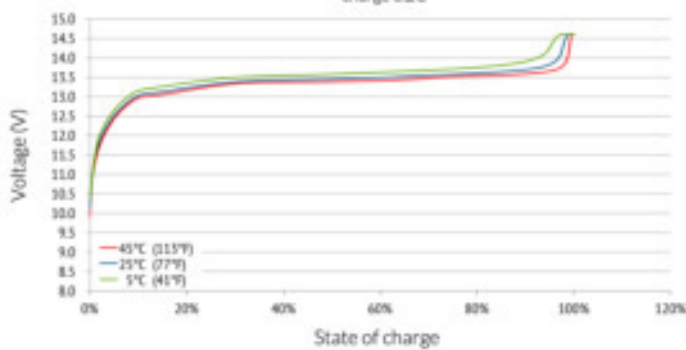
Discharge voltage characteristics at various RATES



Discharge voltage characteristics at various TEMPERATURES



Charge voltage characteristics at various TEMPERATURE
charge 0.2C



Charge voltage and state of charge (SOC)
Charge 0.2C @ 25°C (77°F)

