

**24V 150Ah**



**Aventura**

Bluetooth / Self Heating

TECHNICAL Specifications

**CHARGE SPECIFICATIONS**

Recommended Charge Current	5 A - 50 A (25.6V - 30 A)
Maximum Charge Current	150 A
Recommended Charge Voltage	28.4 V - 29.2 V
High Voltage Disconnect	32.9 V
High Voltage Reconnect	32.7 V

**TEMPERATURE SPECIFICATIONS**

Charge Temperature	32 to 113 °F (0 to 45 °C)
Discharge Temperature	-4 to 140 °F (-20 to 60 °C)
Heating Temperature	-22 to 52 °F (-30 to 11 °C)
High Disconnect Temperature	176 °F (70 °C)
Storage Temperature	14 to 113 °F (-10 à 45 °C)



**ELECTRICAL SPECIFICATIONS**

Voltage	25.6 volt
Capacity	150 Ah
Capacity @ 20A	450 min
Energy	3840 Wh
Auto-Discharge	<3% per Month
Maximum Unit in Series	1 (Single use)
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	20 V
Low Voltage Reconnect	21 V
Short Circuit Protection	yes

**NUMBER OF CYCLES ACCORDING TO THE DISCHARGE %**

Discharge 30%	8200 cycles
Discharge 80%	4250 cycles
Discharge 100%	2500 cycles

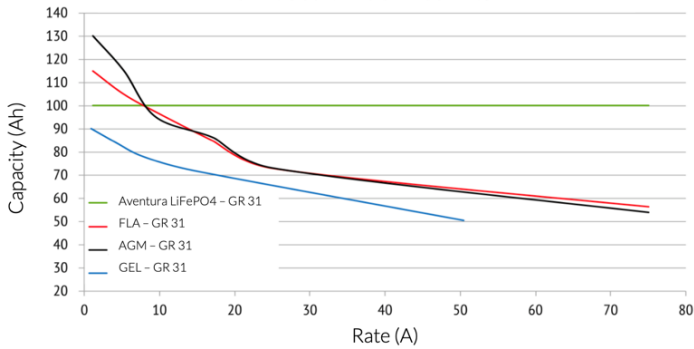
**MECHANICAL SPECIFICATIONS**

Dimensions (LxWxH)	Group 80 (20,47 x 10,59 x 8,66 in)
Weight	73 lbs
Terminal Type	M8
Ingress Protection Marking	IP65*

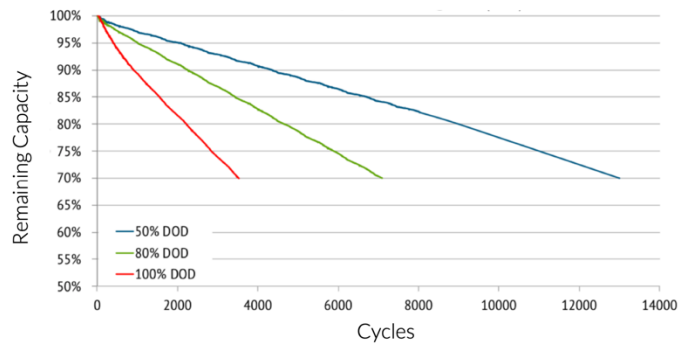
**CERTIFICATIONS**

Certifications	CE   RoHs
Shipping Classification	UN 3480   CLASS 9
Cell Type	SquareCell - LiFePO4

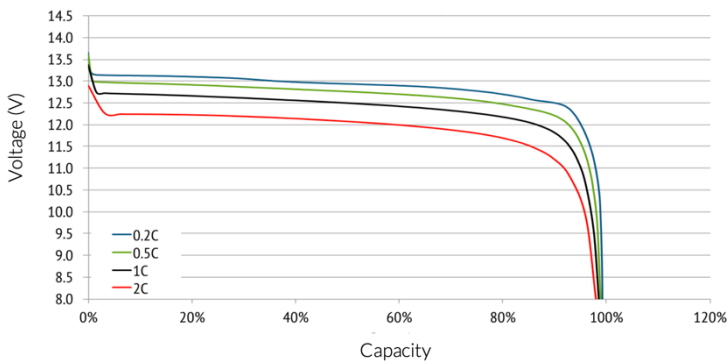
Aventura (LiFePO4) vs Lead Acid  
At VARIOUS RATES OF DISCHARGE



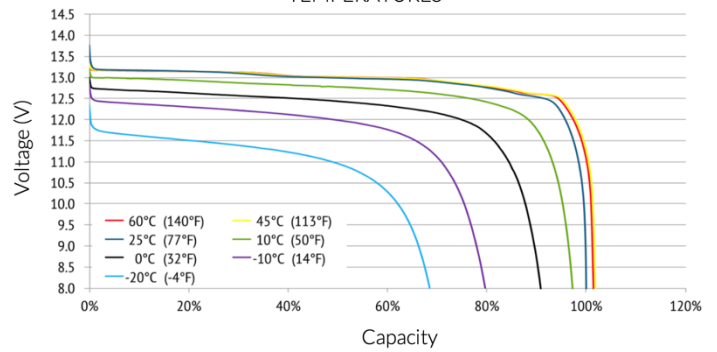
Cycle life vs depth of discharge (DOD)  
Discharge 0.5C / Charge 0.5 @ 25°C (77°F)



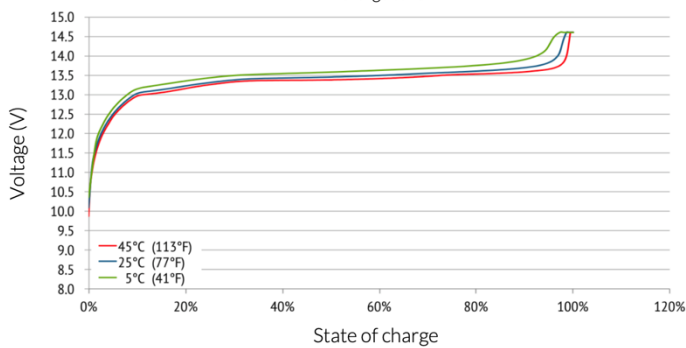
Discharge voltage characteristics at various RATES



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)

