

### Pure Lead Carbon AGM Battery

#### Features

- Sealed and Maintenance Free Pure Lead Carbon
- Safety Valve for Ultimate Safety; Prevents Overpressure
- Exceptional Deep Discharge Recovery Performance
- Low Self Discharge Characteristics
- Highly Resistant to Vibration and Shock

#### Applications

- Remote Equipment Power
- Surveillance Cameras
- Wireless Base Stations
- Medical Equipment
- Remote Sensors
- Backup Power Systems



TPBAT12-180  
12V 180Ah AGM Battery

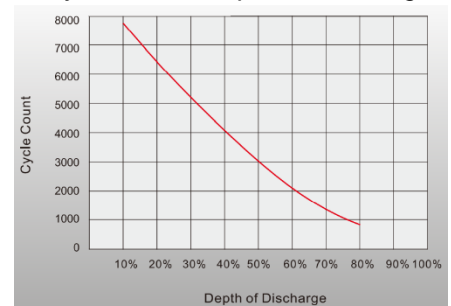
#### Description

The TPBAT12-180 high rate valve regulated pure lead carbon sealed lead acid (VRLA) AGM battery has been developed for long term operation in harsh environments. They have a very high deep discharge cycle life and impressive 8 year float life. They are designed to operate over a wide temperature range such as those experienced in outdoor equipment applications. The batteries can be installed in any position without affecting their performance or reliability.

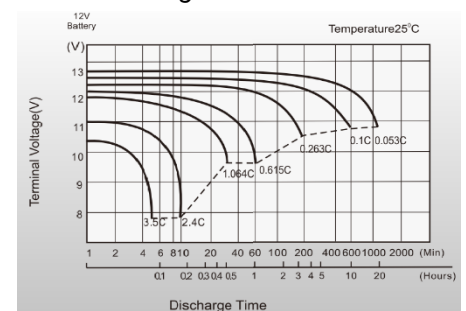
#### Specifications

TPBAT12-180	
<b>Voltage</b>	12V
<b>Capacity (amp hours; 20hr)</b>	180
<b>Typical Float Life</b>	8 Years
<b>30% Discharge Cycle Life</b>	5000 Cycles
<b>Type / Technology</b>	Valve Regulated Pure Lead Carbon Sealed Lead Acid / Absorbent Glass Mat (AGM)
<b>Self-Discharge (25°C)</b>	<5% per month
<b>Charge Voltage (-3mV / °C)</b>	14.1 to 14.4V ; Max Current 180A
<b>Float Voltage (-2mV / °C)</b>	13.5 to 13.8V
<b>Internal Resistance</b>	3.5mΩ
<b>Operating Temperature</b>	-40C (-40F) to +55C (131F)
<b>Housing</b>	ABS (UL94V-0)
<b>Certifications</b>	ISO 9001: 2000, ISO 14001, OHSAS 18001, IATF16949
<b>Compliances</b>	IEC 60896
<b>Dimensions (L x W x H)</b>	559 x 125 x 320 (22 x 4.92 x 12.6")
<b>Weight</b>	57.6kg (127lb)
<b>Warranty</b>	2 Years

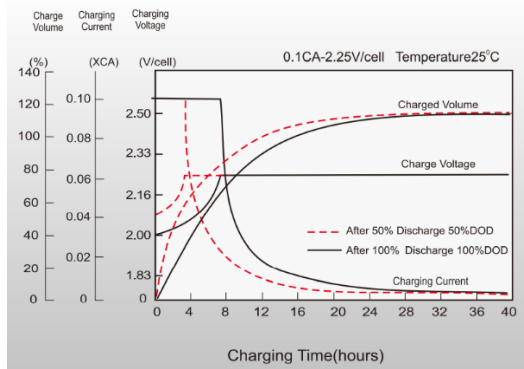
Cycle Life vs Depth of Discharge



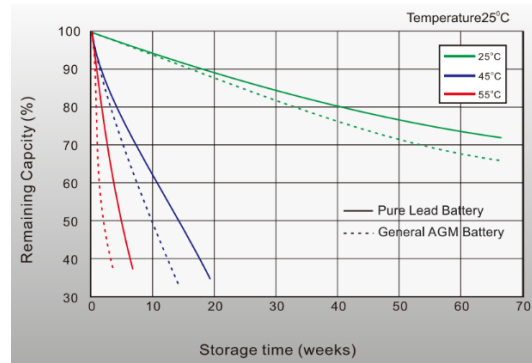
Discharge Characteristics



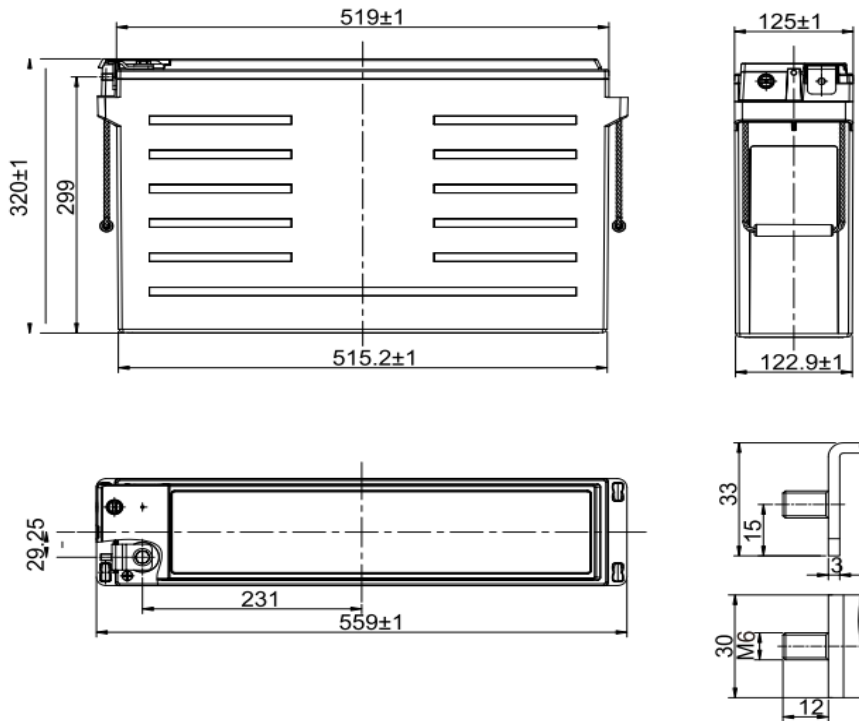
*Float Charge Characteristics*



*Self-Discharge Characteristics*



*Battery Dimensions*



*Battery Terminals*



**System Ordering:**

**TPBAT12-180** 12V 180Ah Valve Regulated Pure Lead Carbon Sealed Lead Acid AGM Battery

**For further information contact:**

Tyconsystems.com