TYCON Solar™

TPBAT12-180
DATA SHEET

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**
- **Wireless Base Stations**
- **Remote Sensors**
- **Surveillance Cameras**
- **Medical Equipment**
- **Backup Power Systems**
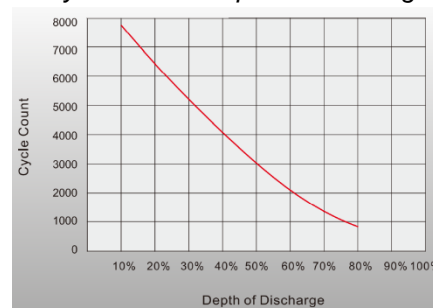
TPBAT12-180
12V 180Ah AGM Battery

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

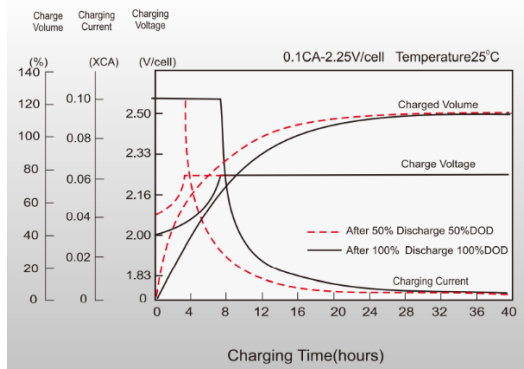|	TPBAT12-180
Voltage	12V
Capacity (amp hours; 20hr)	180
Typical Float Life	8 Years
30% Discharge Cycle Life	5000 Cycles
Type / Technology	Valve Regulated Pure Lead Carbon Sealed Lead Acid / Absorbent Glass Mat (AGM)
Self-Discharge (25°C)	<5% per month
Charge Voltage (-3mV / °C)	14.1 to14.4V ; Max Current 180A
Float Voltage (-2mV / °C)	13.5 to 13.8V
Internal Resistance	3.5mΩ
Operating Temperature	-40C (-40F) to +55C (131F)
Housing	ABS (UL94V-0)
Certifications	ISO 9001: 2000, ISO 14001, OHSAS 18001, IATF16949
Compliances	IEC 60896
Dimensions (L x W x H)	559 x 125 x 320 (22 x 4.92 x 12.6")
Weight	57.6kg (127lb)
Warranty	2 Years

Cycle Life vs Depth of Discharge
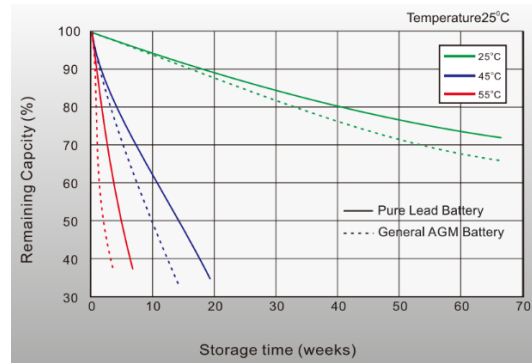

Discharge Characteristics
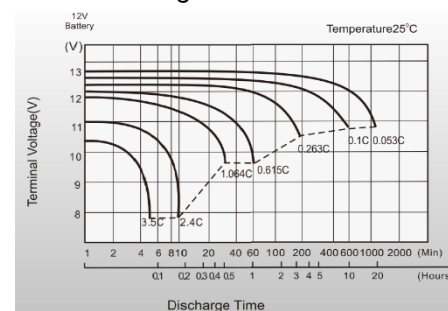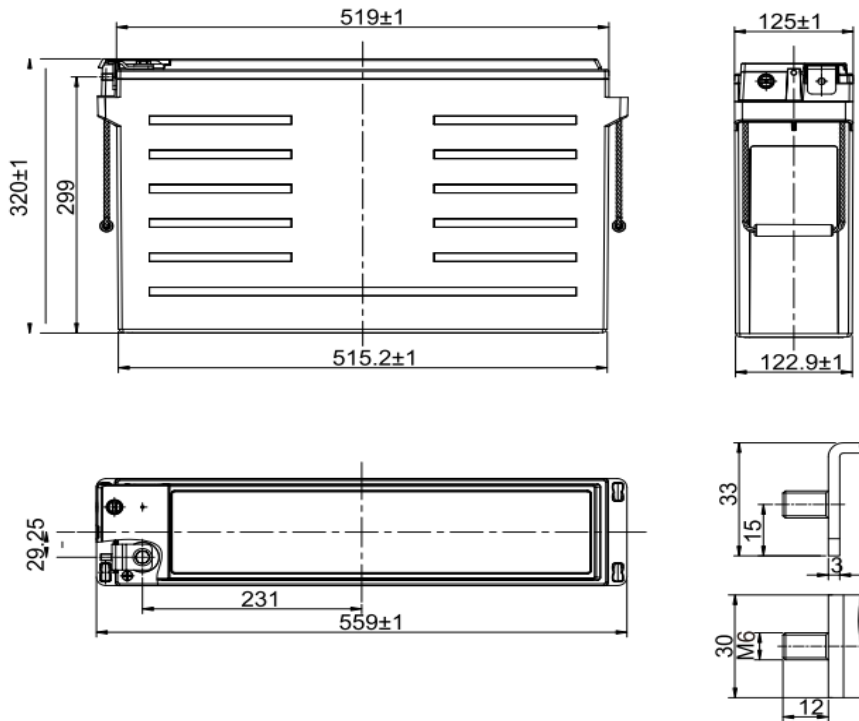
Float Charge Characteristics

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:

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