



TPBAT Series

DATA SHEET

High Rate Valve Regulated SLA Batteries

Features

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



TPBAT12-50
12V 51Ah SLA GEL Battery



TPBAT12-100
12V 98Ah SLA GEL Battery

Applications

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



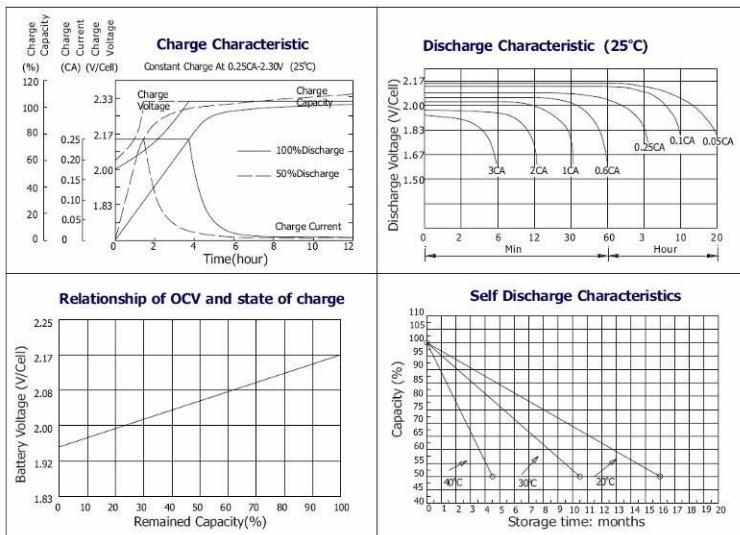
TPBAT12-9
12V 9Ah SLA AGM Battery

Description

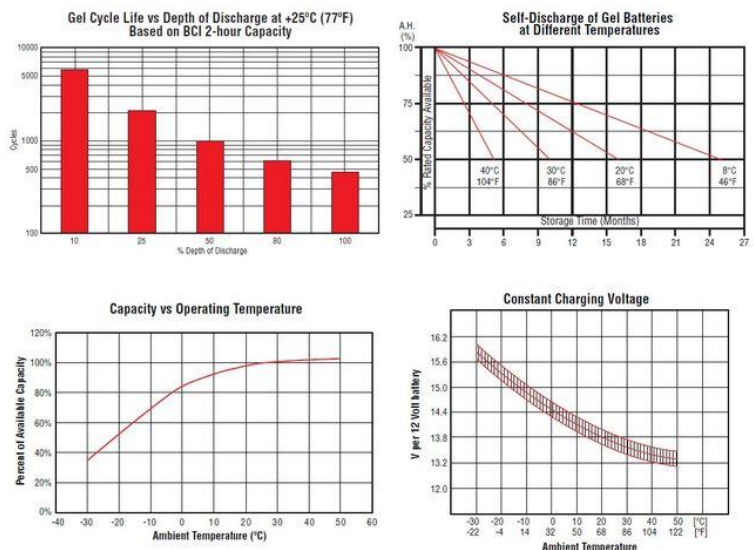
The TPBAT series of high rate valve regulated sealed lead acid (VRLA) batteries have been developed for long term operation in harsh environments. The small TPBAT12-9 battery uses absorbent glass mat (AGM) technology which provides for unsurpassed reliability over wide temperature ranges. The TPBAT12-50/100 batteries use gelled electrolyte technology which provides for the longest battery life available for applications like solar powered systems requiring numerous deep discharges. The batteries can be installed in any position without affecting their performance or reliability.

The combination of advanced electrode and electrolyte formulations provide higher power output than normal batteries of the same physical size. The TPBAT12-9 has F2 type .25" spade connectors. The TPBAT12-50 has a 3/8" flag type terminal. The TPBAT12-100 has 3/8" Stainless Steel Stud Terminal style connectors.

TPBAT12-9 GRAPHS



TPBAT12-50/100 GRAPHS

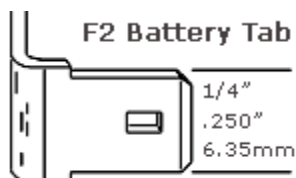


Specifications

	TPBAT12-9	TPBAT12-50	TPBAT12-100
Voltage	12V	12V	12V
Capacity (amp hours; 20hr)	9	51	98
Float Life	5 Years	5 Years	
Type / Technology	Valve Regulated Sealed Lead Acid / Absorbent Glass Mat (AGM)	Valve Regulated Sealed Lead Acid / Gelled Electrolyte (GEL)	
Capacity vs Temperature	40°C=102%; 0°C=85%, -15°C=65%	50°C=102%; 0°C=85%, -30°C=40%	
Self Discharge (25°C)	<3% per month	<2% per month	
Charge Voltage (-30mV / °C)	14.4 to 15V ; Max Current 2.7A	14.4 to 14.7V ; Max Current 25A	
Float Voltage (-20mV / °C)	13.6 to 13.8V	13.5 to 13.8V	
Operating Temperature	-40C (-40F) to +60C (140F)	-60C (-76F) to 60C (140F)	
Housing	ABS (UL94HB)	Polypropylene	
Dimensions	151 x 65 x 95mm (5.9 x 2.6 x 3.7")	228 x 139 x 235mm (9 x 5.5 x 9.24")	329 x 171 x 237mm (13 x 7 x 9.5")
Weight	2.5kg (5.5lb)	16.8kg (37lb)	31.8kg (70lb)

Notes:

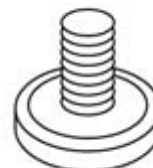
- All shipments F.O.B. Draper, UT 84020
- Tycon® Batteries carry a 2 year limited warranty



TPBAT12-9
0.25" Spade Terminal



TPBAT12-51
Flag Terminal
3/8"



TPBAT12-100
Stainless Steel Stud Terminal
3/8" x 0.6"

System Ordering:

TPBAT12-9	12V 9Ah Valve Regulated Sealed Lead Acid AGM Battery
TPBAT12-50	12V 51Ah Valve Regulated Sealed Lead Acid GEL Battery
TPBAT12-100	12V 98Ah Valve Regulated Sealed Lead Acid GEL Battery

For further information contact:

Tyconsystems.com

