

### 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



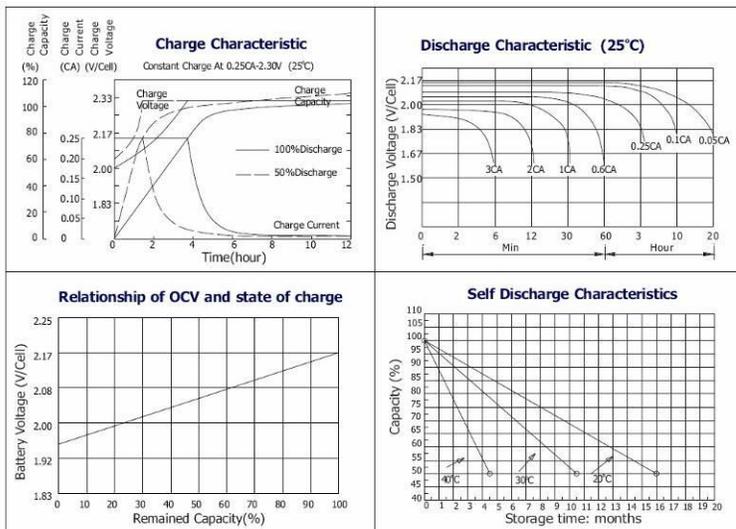
TPBAT12-9  
12V 9Ah SLA AGM Battery

#### Description

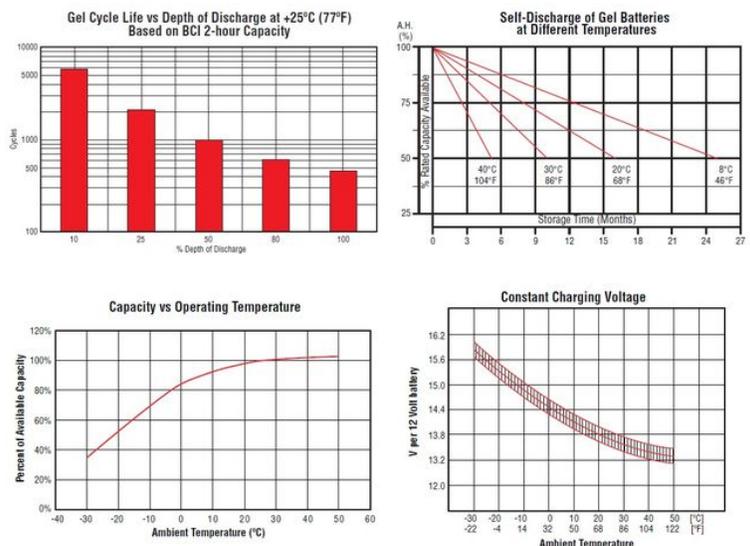
The TPBAT series of high rate valve regulated sealed lead acid (VRLA) batteries have been developed for long term operation in harsh environments. The small TPBAT12-9 battery uses absorbent glass mat (AGM) technology which provides for unsurpassed reliability over wide temperature ranges. The TPBAT12-50/100 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

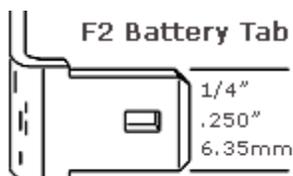


## Specifications

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

**Notes:**

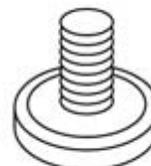
- All shipments F.O.B. Draper, UT 84020
- Tycon Power Systems Batteries carry a 2 year limited warranty



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:

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

## For further information contact:

[Tyconpower.com](http://Tyconpower.com)



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