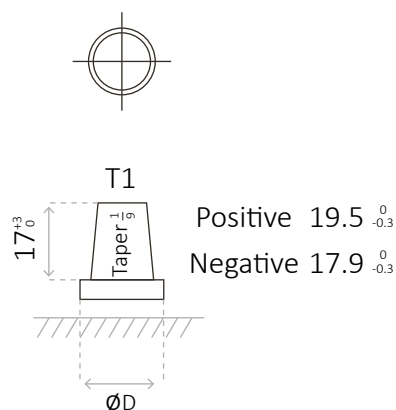
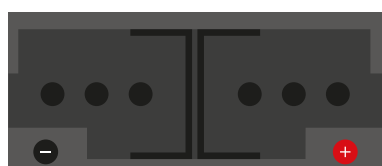




### CHARACTERISTICS

- ✓ Ideal for any type of use.
- Ⓐ Great performance due to its Start-Stop characteristics.
- 📏 Compact size ideal for any type of use.

### DIMENSIONS



## AGM START-STOP BATTERY 12V 80AH

### START-STOP SERIES BATTERY

AGM Start-Stop battery is kind of lead-acid battery which adopts advanced AGM (Absorbent Glass Mat) separator technology. It is widely used in mild hybrids vehicles with Start-Stop system.

### ADVANTAGES

- **Advanced Grid Production Technology:** The battery has excellent anti-corrosion performance because of new alloy formula and advanced cold rolled grid technology; Also, very little water loss significantly extend the service life of the battery in high temperature environment.
- **AGM Technology:** Oxygen released from positive pole can react with negative lead and gas emissions are controlled by special valve construction, which prevent vehicle components installed near the battery from being corroded; At the same time, due to AGM technology the battery has no free liquid electrolyte, even if the battery is cracked in the sudden accident such as intense turbulence or high speed collision it can still normally start vehicles.
- **High Assembly Pressure Design:** High assembly pressure design can slow the positive paste shedding and prolong its life time greatly.
- **Lead-Carbon Capacitance Technology:** Adopt the lead-carbon capacitance technology, the battery's charge acceptance is significantly improved, therefore, it can more quickly capture the feedback current from vehicle.
- **Long Cycle Life:** The starting life is more than 200000 times, two times longer than ordinary batteries.



### COMPLIANT STANDARDS

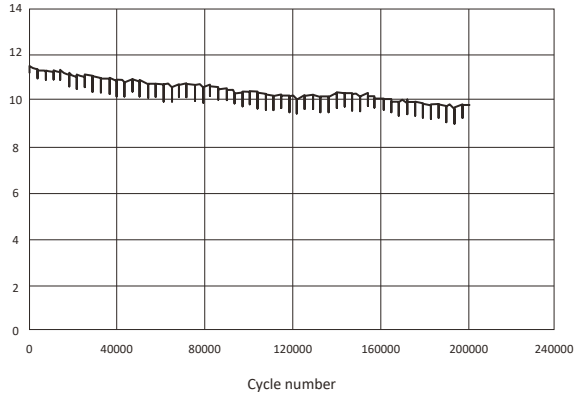
- EN 50342
- VDA
- GB/T5008.1-2013
- JB/T 12666

### TECHNICAL SPECIFICATIONS

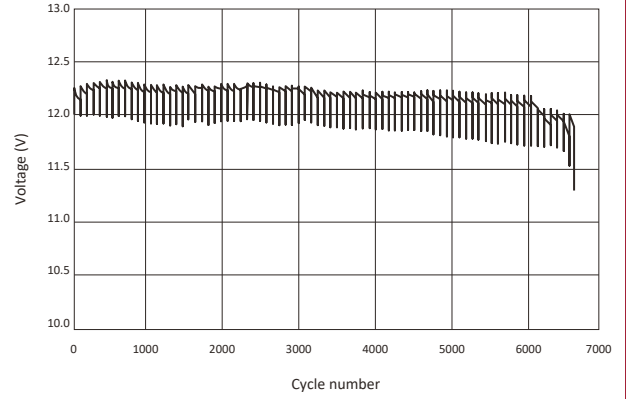
<b>BATTERY MODEL</b>	<b>Nominal Voltage</b>		12V
	<b>Capacity (20 hour rate)</b>		85Ah @20hr to 10.5V @ 25°C (77°F)
	<b>Reserve Capacity</b>		25A, 10.5V ≥140min
<b>DIMENSION</b>	<b>Length</b>	<b>Width</b>	<b>Total Height</b>
	315 mm	175 mm	190 mm
<b>APPROX. WEIGHT</b>	23.5 kg (51.70 lbs)		
<b>NORMAL CA</b>	1000A		
<b>CCA (-18°C)</b>	840 A to 6.0 V @ -18°C (EN)		
<b>SELF DISCHARGE @25°C (77°F)</b>	<8% after 90 days storage		
<b>OPERATING TEMPERATURE RANGE</b>	-30°C ~ 70°C (-22°F ~ 158°F)		
<b>ACCEPTABLE CHARGING CURRENT</b>	0 ~ 20 A		
<b>CHARGING VOLTAGE @25°C (77°F)</b>	14.5 ~ 15.0 V/cell		
<b>CONSTRUCTION</b>	<b>Case materials</b>		<b>Terminal</b>
	High temperatura resistant materials		Tapered terminal (Left: negative / Right: positive)

## PERFORMANCE CURVES

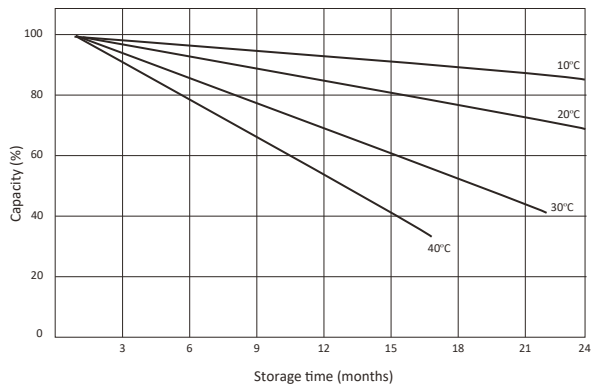
### Idling-Stop Life at 25°C



### Cycle life at 25°C and 17.5% Depth of Discharge



### Curve of Self-discharge at Different Temperature



### Quick Charge Performance Curve

