



**WINNER**  
BATTERY  
SWITCH TO SUCCESS

## **CYCLOP 850B (12V-55AH)** **SPIRAL Pure Lead AGM series**

### Applications

- Vehicle starting
- Generator system starting
- Hybrid electric vehicle starting

### Advantages

- **Strong Starting Ability:** Cold starting current is up to 16C20, is two times than the ordinary battery
- **Excellent Anti-vibration Performance:** Anti-vibration performance is 15 times than that of ordinary batteries, all kinds of complicated road conditions are available
- **Long Cycle Life:** The starting life is more than 100000 times, 2 times longer than ordinary battery

### Technical Features

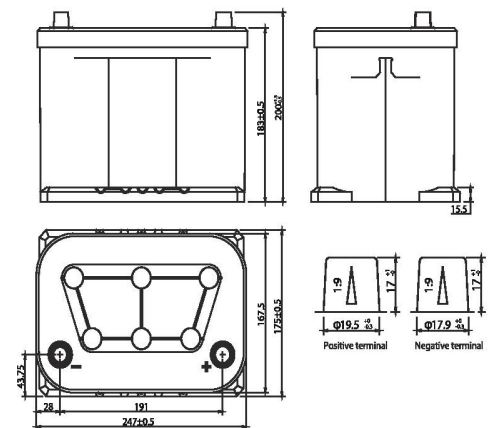
- The adoption of the cold rolled grid technology and ultra-thin plate, the battery has higher surface area, lower the internal resistance, after starting, the battery is charged very fast and the harm reduced for the long time charge
- With a new valve-sealed design, there is no acid-leakage, not restricted by space, the battery can be placed in any direction
- With the unique spiral wound design and cylindrical column structure, the battery has good structural stability, and not bulging

### Parameters

Normal Voltage	12V
Capacity	55 Ah @ 20hr to 1.75V per cell @ 25°C (77°F)
Weight	18 kg(39.68 lbs)
Dimensions	Length:247mm (9.72 in) Width:175mm (6.89 in) Height: 183mm (7.20 in) Total height:200mm (7.87 in)
Internal Resistance (full charged)	2.9 mΩ
CCA	850(SAE)
Reserve Capacity( 25°C)@25°C(77°F)	105 min
Temperature	-45°C ~ 75°C(-49°F~167°F)
100%DOD	350
80%DOD	700
Separator	AGM
Seal Reaction Efficiency	100%
Storage Period without Charging	14 months
Max Charge Current	4.5C <sub>20</sub>
Max Discharge Current	18C <sub>20</sub>
Cycle Charge Voltage@25°C(77°F)	14.5V~15.0V



### Dimensions



### Standards

- ★ GB/T 5008.1
- ★ IEC60095.1
- ★ EN50342

### Certificates

- ★ ISO9001
- ★ ISO14001
- ★ ISO18001
- ★ ISO/TS16949



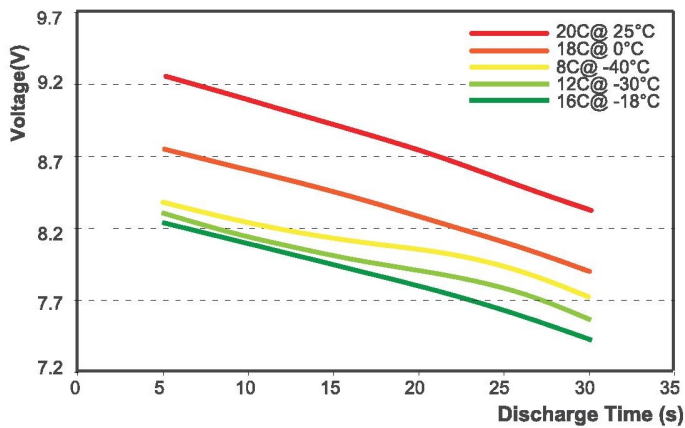
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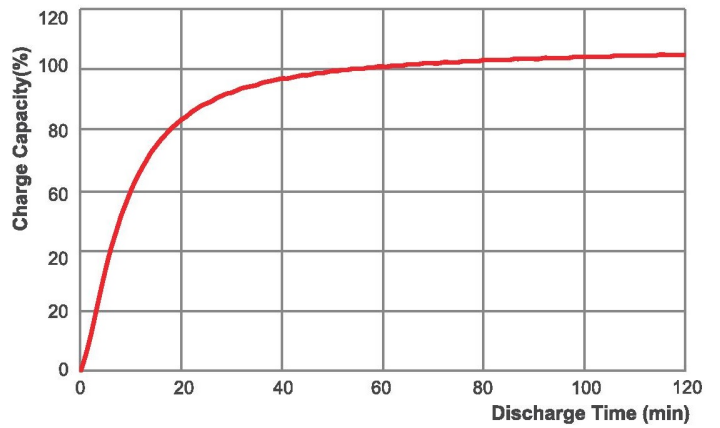
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## Performance Curves

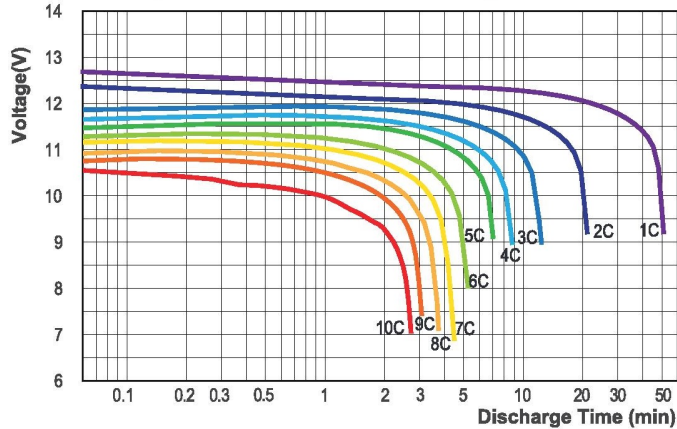
Discharge Performance at Different Temperature and Rate



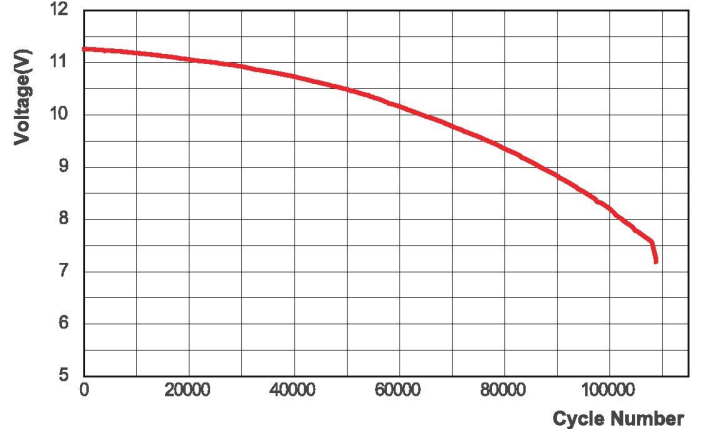
Quick Charge Performance Curve



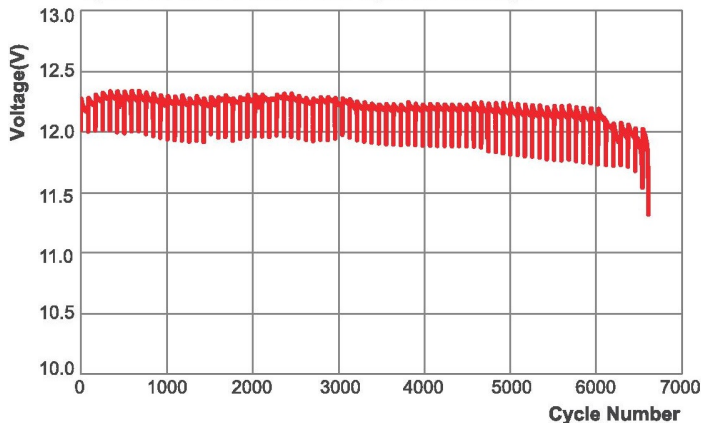
Discharge Performance at Different Discharge Rate



Start Life at 25°C



Cycle Life at 25°C and 17.5% Depth of Discharge



Cycle Life at 40°C and 50% Depth of Discharge

