

- Oxygen recombination technology: Maintenance-free.
- The patent grid alloy: Less gassing, low selfdischarging.
- Special paste formula: Additives for deep discharge, long cycle life.
- High quality AGM separator: Extend cycle life and prevent micro short circuit.
- The patent Nano silica gel electrolytes, extend cycle life and improve the deep discharge performance.
- Cast on strap (COS) welding technology for high consistency and reliability.
- ABS container: increase the strength of battery.

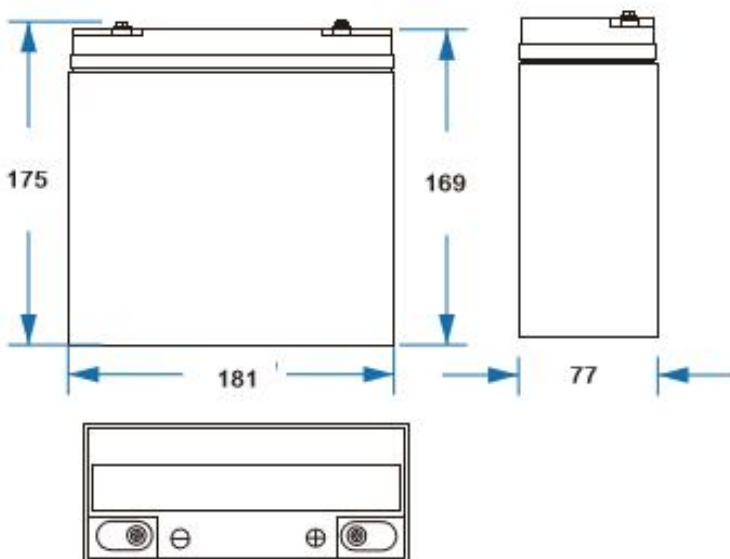


Application:

- | | |
|-------------------|-----------------------------|
| *Electric vehicle | *Sweeper |
| *Lawn mowers | *Wheelchairs |
| *Electric toys | *Illumination light |
| *Electric tools | *Golf trolley and golf cart |

Dimension

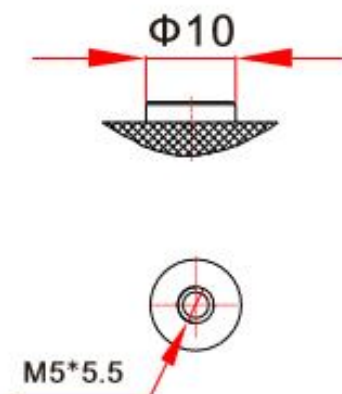
Unit:mm



Terminal

Unit:mm

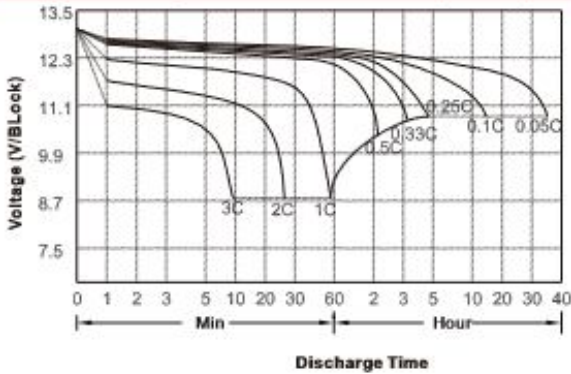
Female Copper Insert M5 (Torque:2~3N.m)



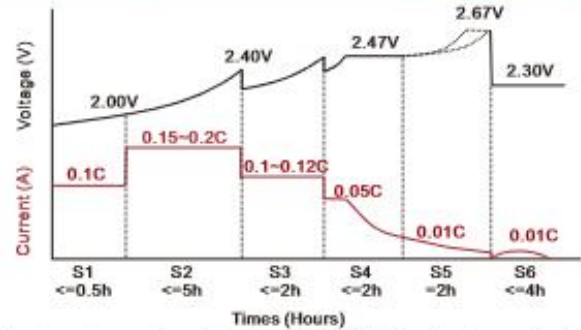
Battery Model	YGD12-20(A) E-Bike							
Capacity (25°C)	10 HR (2.6A)	5 HR (4.8A)	3 HR (7.2A)	2 HR (10A)	1 HR (17A)	30 Min. (23A)	15 Min. (40A)	10 Min (48A)
	26 AH	24 AH	21.6 AH	20 AH	17 AH	11.5 AH	10 AH	8 AH
Dimensions	Length		Width		Height		Total Height	
	181 mm		77 mm		169 mm		176 mm	
Approx Weight	7.00 kg ± %3							
Internal Resistance	Full charged @25°C, equal or less than 12 mOhm							
Self Discharge	Capacity declined @25°C, 3 months %10, 6 months %15, 12 months %30							
Capacity Affected By Temperature (20 HR)	40°C	25°C		0°C		-15°C		
	%102	%100		%85		%65		
Charge Voltage (25°C)	Cycle Use				Float Use			
	13.5-13.8V, Initial Charging Current 3A or small				14.4-14.8V			

Performance Curve

Discharge Characteristics (25°C)

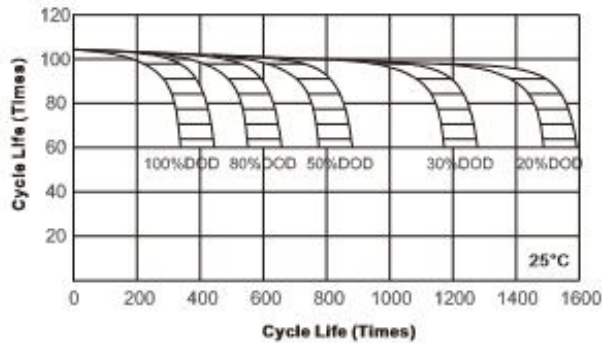


Charge Characteristics (20°C)

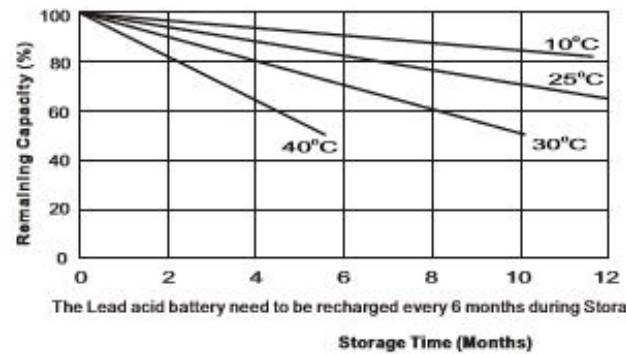


The above charge voltage is based on 20°C(68°F), for other temperature, the temperature coefficient should be adopted. Temps coefficient: -3mV/°C/cell.

Cycle Life With Depth Of Discharge



Self discharge Characteristics



The Lead acid battery need to be recharged every 6 months during Storage

Yiğit Akü AŞ

Organize Sanayi Bölgesi Oğuz Caddesi No: 2 Sincan / Ankara - TÜRKİYE
 Tel: +90 312 267 02 80 - Faks: +90 312 267 08 61 - 267 40 00
 endustriyel@yigitaku.com
 www.yigitaku.com