

## 6-EVF-80 (12V80AH/10HR)

LONG WAY 6-EVF-80 is one of the Deep Cycle battery of LONGWAY BATTERY.

This series adopts AGM technology, which has high safety & reliability, maintenance-free, high charging rate, low self-discharge, and long life.

Applications: Electric vehicles, Electric scooter, Electric wheel chair, Electric play car for children Sanitation vehicles and police patrol car etc.



### Specifications: Designed according with the IEC60254-2014

Nominal Voltage	12Volts (6 Cells per unit)
Nominal Capacity	@25°C
20hr-rate (4.0A)	90.0Ah @ 1.75V per cell@25°C (77°F)
10Hr-rate (8.0A)	85.0AH @ 1.75V per cell@25°C (77°F)
5Hr-rate(15.0A)	78.0AH@1.70Vper cell@25°C (77°F)
3Hr-rate(20.0A)	73.0AH@1.70Vper cell@25°C (77°F)
Weight	Approx.25.5± 3%kg(56.22lbs)
Internal Resistance	Approx. 6.50mΩ full charged @25°C
Maximum Discharge Current	400A(3sec)
Operating Temperature Range	Discharge: -20°C~50°C; Charge: 0°C~40°C Storage: -20°C~40°C
Equalization and Cycle Service	14.40~15.0VDC/unit Average @ 25°C
Maximum Charging Current	20.0A
Terminal	I5-1 (M6 stem)
Container Material	ABS (UL 94-HB) & Flame Retardant (94-V0) available upon request
Self Discharge	LONGWAY batteries can be stored for more than 6 months and the Self-discharge ratio less than 3%/per month at 25°C.Please charge batteries before using.



ISO9001:2015  
ISO14001:2015  
ISO45001:2018  
ISO50001:2011

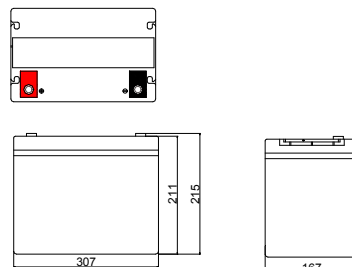
### APPLICATION STANDARDS

- ISO 7176-25 - 2013
- IEC 60254-1- 2005
- SAE J1495-2018
- UL1989 (MH46789)

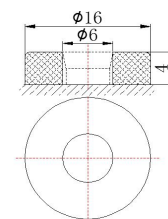
### Dimensions

Length:307±2mm  
Width :167±2mm  
Height :211±2mm  
Total Height :215±2mm

### Outer Dimensions

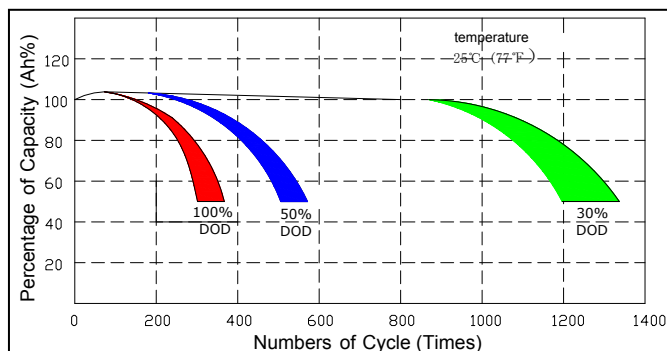


### Terminal Type

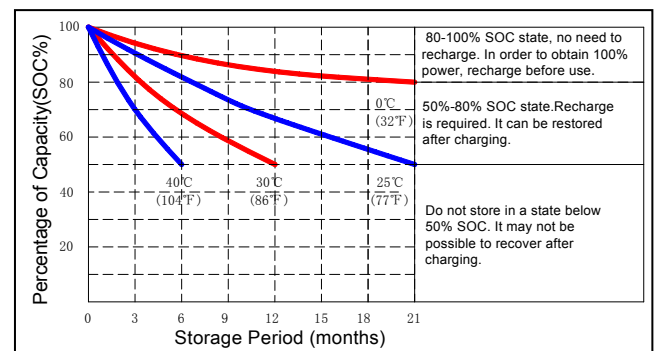


I5-1

### Cycle Service Life



### Capacity Retention Characteristic



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**NOTE:** This information is generally descriptive only and is not intended to make or imply any representation, guarantee or warranty with respect to any cells and batteries. Cell and battery designs/specifications are subject to modification without notice. Contact Long Way for the latest information.