

## 6-EVF-50 (12V50AH/20HR)

LONG WAY 6-EVF-50 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 (77°F)
20hr -rate (2.25A)	50.0Ah @1.75V per cell@25°C
10Hr-rate (4.50A)	45.0AH @1.75V per cell@25°C
5Hr-rate (7.65A)	42.0AH @1.70Vper cell@25°C
3Hr-rate (11.2A)	35.0AH @1.70Vper cell@25°C
Weight	Approx. 14.2 ± 3%kg(35.27lbs)
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	11.50A
Terminal	I4 (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

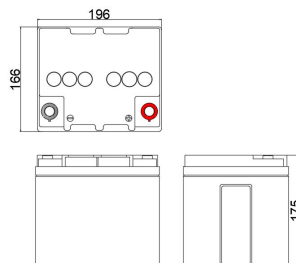
### APPLICATION STANDARDS

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

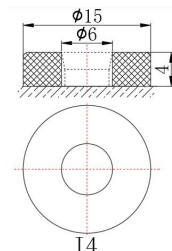
### Dimensions

Length:196±2mm  
Width :166±2mm  
Height :175±2mm  
Total Height :175±2mm

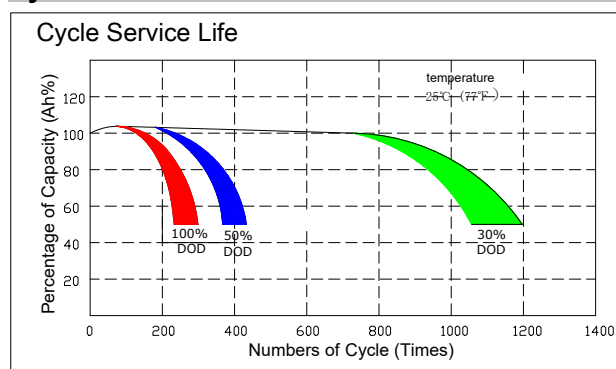
### Outer Dimensions



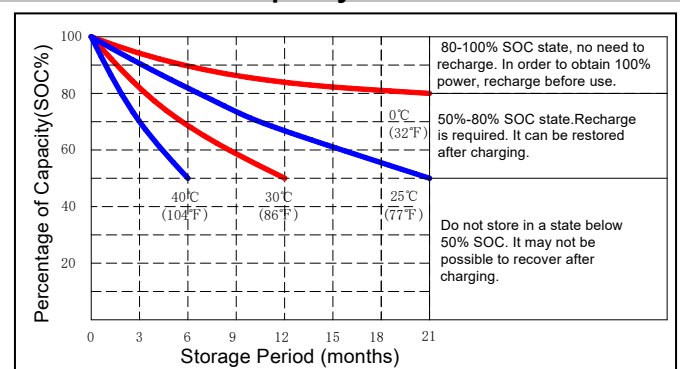
### Terminal Type



### Cycle Service Life



### Capacity Retention Characteristic



Kaiying Power Supply & Electrical Equip Co., Ltd

Add: Laogang Industrial Area, Chengxiang Town, Anxi, Quanzhou City, Fujian Province, China

Tel: 0595-68782266 Fax: 0595-68782222 Web: [www.longwaybattery.com](http://www.longwaybattery.com) Email: [sales@longwaybattery.com](mailto:sales@longwaybattery.com) KY-IOP-6-EVF-45 A1. May 2022

**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.