

6-EVF-70

12V 70Ah(3hr) VRLA GEL BATTERY



Chilwee EVF Series VRLA Gel Battery is specially designed for electric vehicles, i.e. electric automobiles, electric road vehicles, golf cart, low speed electric cart, etc. and other devices require DC power source. The EVF Series adopts international leading technologies to ensure the batteries with features of long cycle life, large current discharge capability, high reliability and safety, and environmental-friendly.

FEATURES

Extra Long Life: Chilwee EVF Series are designed with high quality grid alloy enables the grid with features of anti-corrosion, low gas emission and excellent deep cycle performance, as well as high density and special deep cycle lead paste prescription is adopted to ensure extra long cycle life. The cycle life may reach 600+ cycles @ 80% DOD.

High Reliability and Safety: High strength ABS battery container and lid, perfect safety valve design, and high strength & excellent large current electroconductivity copper terminal design are adopted to ensure the Chilwee EVF Series with high reliability and safety at extreme condition.

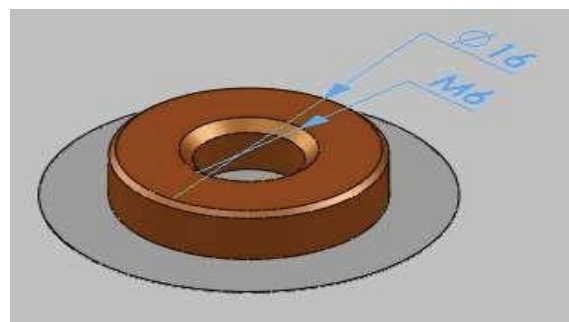
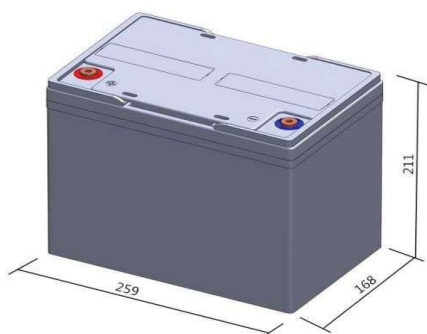
High Environmental Adaptability: Chilwee EVF Series adopts special fumed silica Gel in electrolyte and special Gel type separator to prevent electrolyte stratification. This can significantly improve the battery's service life and environmental adaptability.

Non-Cadmium Design, Environment-friendly: Chilwee Battery has adopted internationally leading technology - container formation non-cadmium production technology, which is in the leading position in the industry. It helps to save energy 28.5%, save water 90%, and non-discharge of waste water.

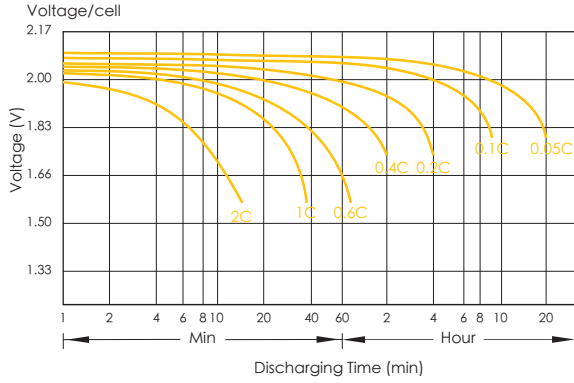
SPECIFICATION

Nominal Voltage (V)	12V	
Open Circuit Voltage (V/Block)	12.8V - 13.4V	
Number of Cells (Per Block)	6 Cells	
Rated Capacity (Ah, 25°C)	2h rate (to 1.75V/Cell)	61Ah
	3h rate (to 1.75V/Cell)	70Ah
	5h rate (to 1.70V/Cell)	77Ah
	10h rate (to 1.80V/Cell)	82Ah
Nominal Weight (Kgs)	Approx. 23.5 ±0.3 Kgs	
Dimension (L X W X H, Total Height. mm)	259mmX 168mm X 211mm X 211mm	
Container Material	Enhanced ABS	
Charge Voltage	Float (V/Block)	13.80V
	Cycle (V/Block)	14.65V - 14.75V
Maximum Discharge Current (A)	350A (5s)	
Maximum Charge Current (A)	12A	

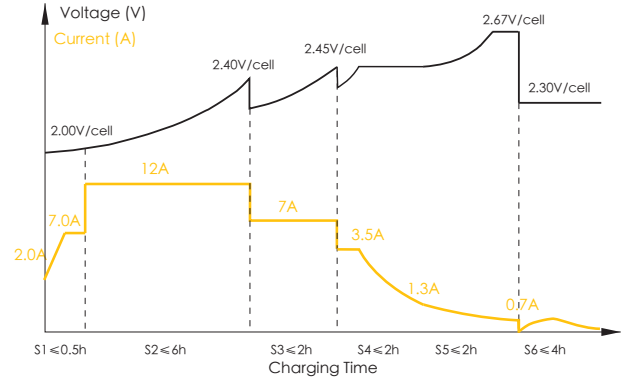
Dimension & Terminals



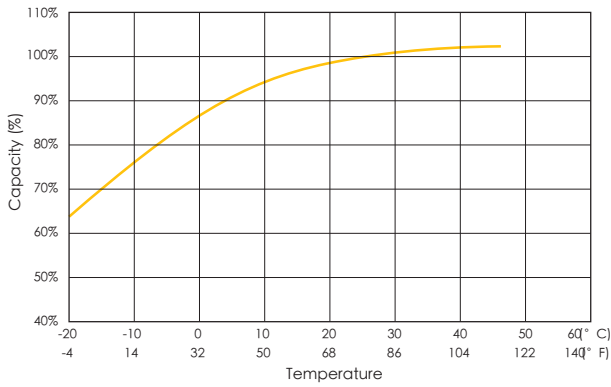
Discharging Characteristics (25° C/77° F)



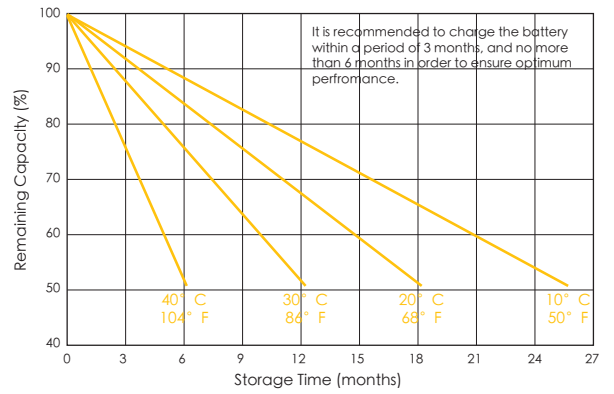
Charging Characteristics (25° C/77° F)



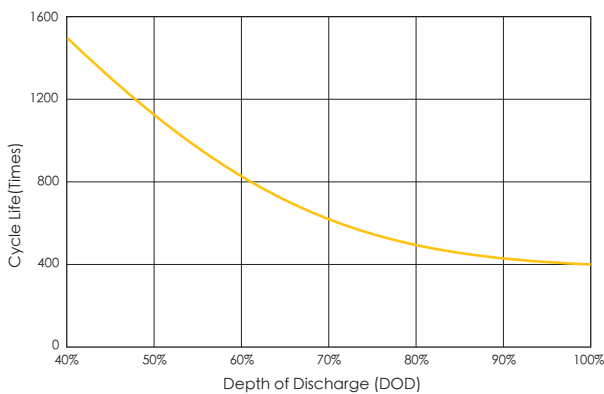
Capacity vs Temperature



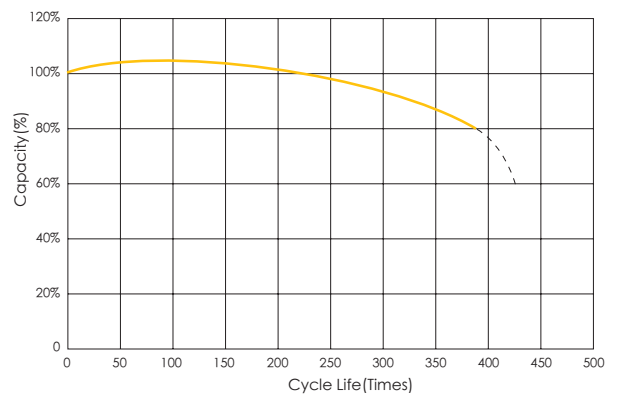
Self-discharge vs Time



Cycle Life vs Depth of Discharge (25° C/77° F)



Cycle Life vs Remaining Capacity (25° C/77° F)



CERTIFIED QUALITY

All products are tested and certified to multiple standard. Designed in accordance with and published in compliance with applicable BCI, IEC and BS EN standards.

ISO 16949/ ISO 9001/ ISO 14001/ ISO 45001
IATA / SP 238 / CE



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