超威 CHILWEE®

Leading technology,more electric vehicles in use

6-EVF-62

VRLA gel battery for electric vehicle

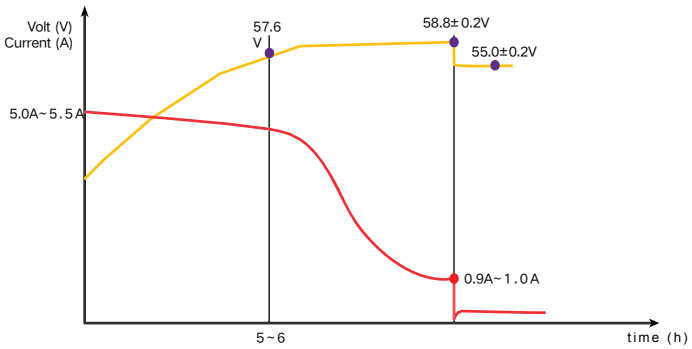
Product usage configuration requirements:

1.Controller parameters
under voltage protection: 10.50V/pc
over current protection: 40A

2.Motor parameter
Running current: ≤20A
Motor power ≤1000W

Specifications		
Rataed volt (V)		12 V
Rated capacity (3hr)		62 Ah
Dimensions	Length	226 mm
	Width	162 mm
	Height	173mm
	Total height	175 mm
Ref.weight (kg)		16.8 ±0.2 Kgs
Performance parameter		
Rated capacity (25℃)	2hr capacity(25.0A discharge): 54Ah	
	3hr capacity(19.3A discharge): 62Ah	
Battery capacity at different temp. (3hr)	40℃	102%
	25℃	100%
	0℃	85%
	-18℃	60%
Storage capacity (25℃)	3 months	90%
	6 months	80%
	9 months	65%
Limited voltage charge(25℃)	Cycle use	max.charge current 10A
		14.65V-14.75V/pc
	Float charge	13.7V-13.8V/pc

6-EVF-62 (4pcs/group 25℃±2℃) charge curve

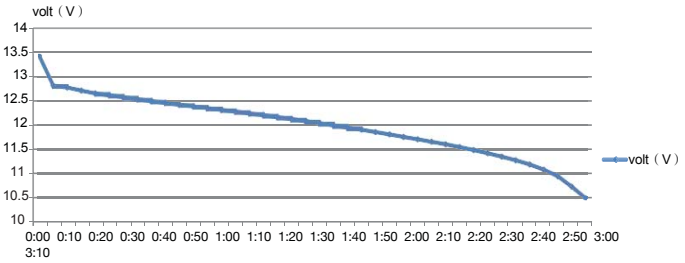


1st phase: max. current 5.0A~5.5A voltage continuously increases to 57.6V

2nd phase: voltage continuously increases from 57.6V to 58.8±0.2V ,
Current continuously decreased to 0.9~1.0A, then converted to float charge (trickle charge).

3rd phase: float charge constant voltage 55±0.2V Temp. compensation coefficient: 2.5~4.0mV(singe cell ℃)

6-EVF-62（25℃±2℃）discharge curve



Discharge time (h:mim)

CERTIFIED QUALITY

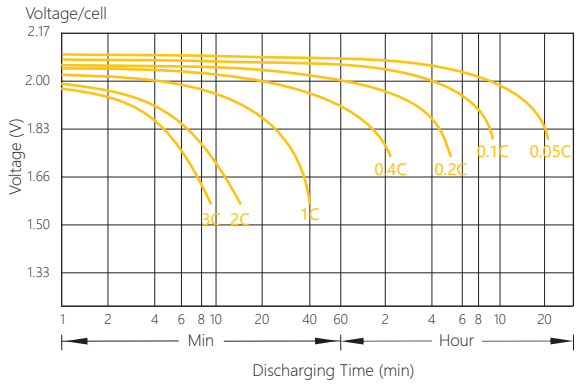
All products are tested and certified to multiple standard.
Designed in accordance with and published in compliance with applicable BCI, IEC and BS EN standards.

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

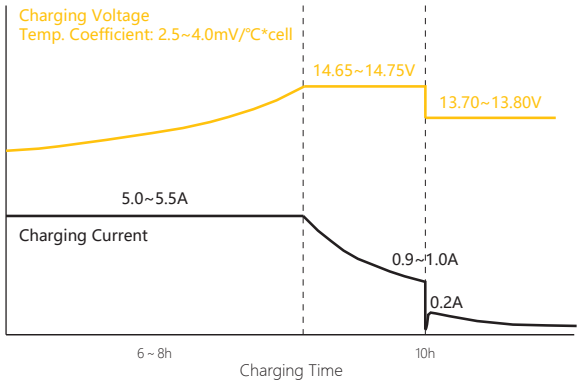
6-EVF-62

12V62Ah @3hr
12V70Ah @20hr

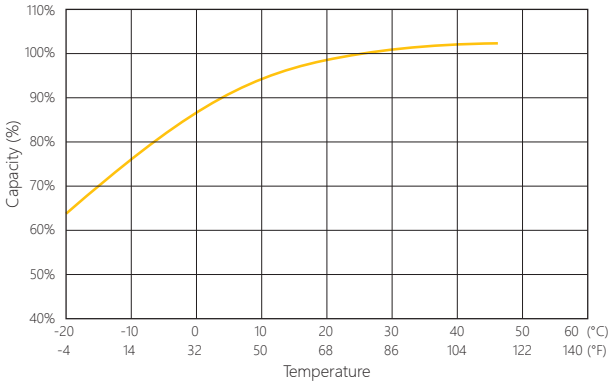
Discharging Characteristics (25°C/77°F)



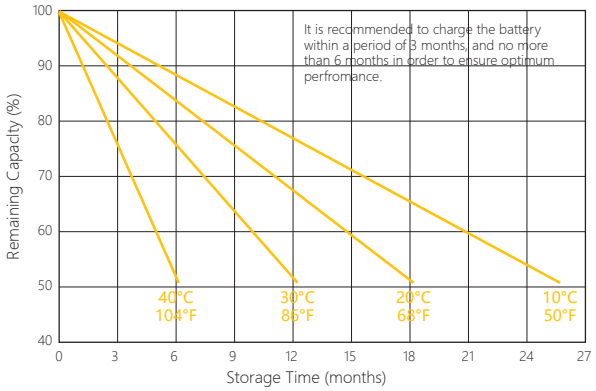
Charging Characteristics (25°C/77°F)



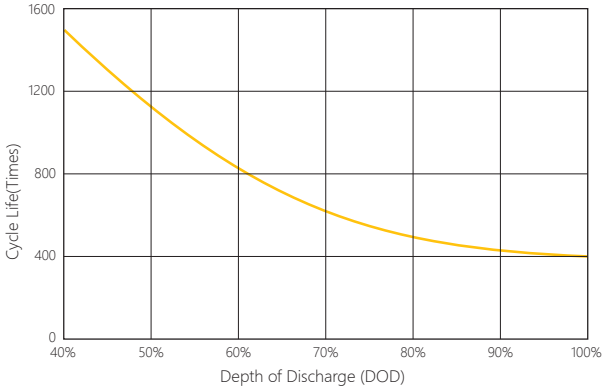
Capacity vs Temperature



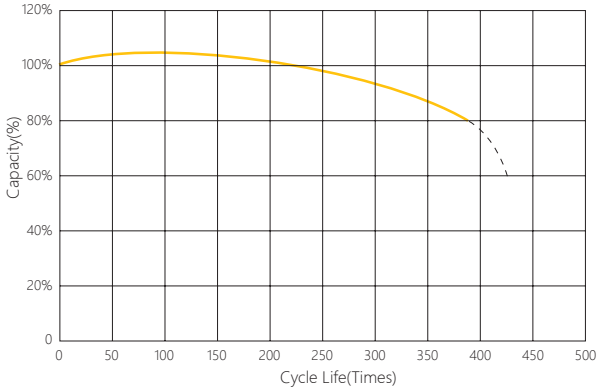
Self-discharge vs Time



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



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



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