超威® CHILWEE

Leading technology,more electric vehicles in use

6-DZF-12

VRLA gel battery for electric bicycle



Product usage configuration requirements:

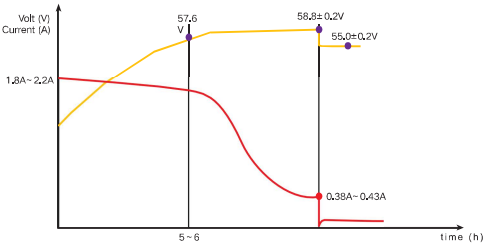
1.Controller parameters
under voltage protection: 10.50V/pc
over current protection: 12A

2.Motor parameter
Running current: ≤7.0A
Motor power ≤350W

Specifications		
Rataed volt (V)		12 V
Rated capacity (2hr)		12 Ah
Dimensions	Length	151 mm
	Width	99 mm
	Height	98 mm
	Total height	98 mm
Ref.weight (kg)		3.8 Kg ±0.2 Kgs

Performance parameter		
Rated capacity (25℃)	2hr capacity(6A discharge): 12Ah	
Battery capacity at different temp. (2hr)	40℃	102%
	25℃	100%
	0℃	85%
	-15℃	70%
Storage capacity (25℃)	3 months	90%
	6 months	80%
	9 months	60%
Limited voltage charge(25℃)	Cycle use	max.charge current 1.8-2.2A
		14.65V-14.75V/pc
	Float charge	13.7V-13.8V/pc

6-DZF-12 (4pcs/group 25℃±2℃) charge curve

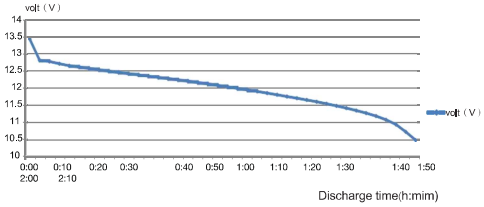


1st phase: max. current 1.8A~2.2A voltage continuously increases to 57.6V

2nd phase: voltage continuously increases from 57.6V to 58.8±0.2V ,
Current continuously decreased to 0.38~0.43A, 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 °C)

6-DZF-12 (25℃±2℃) discharge curve



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.

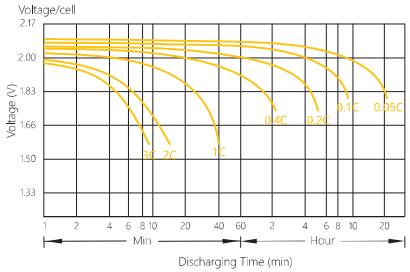
ISO 16949/ ISO 9001/ ISO 14001/ ISO 45001
IATA / SP 238 / CE

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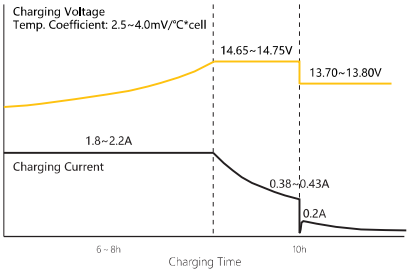
6-DZF-12

12V12Ah @2hr
12V15Ah @20hr

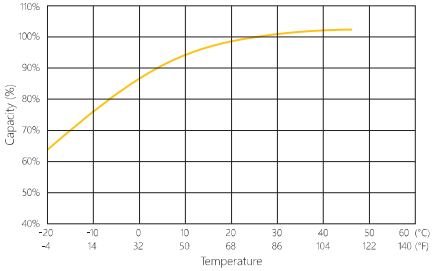
Discharging Characteristics (25°C/77°F)



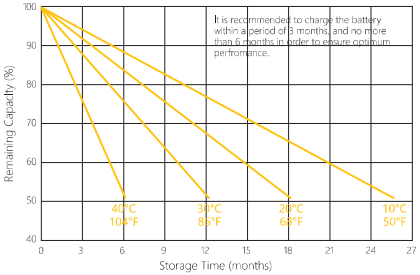
Charging Characteristics (25°C/77°F)



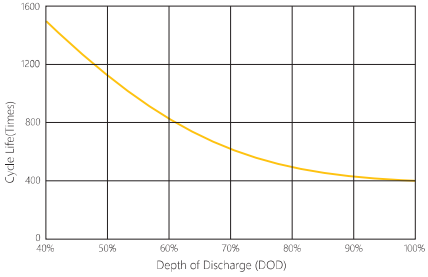
Capacity vs Temperature



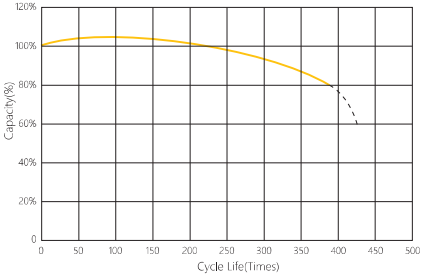
Self-discharge vs Time



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



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



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