6-DZF-23

Premium series

VRLA gel battery for electric bicycle



Product usage configuration requirements:

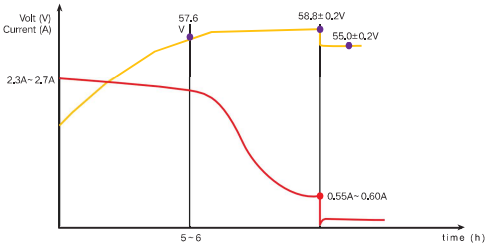
1.Controller parameters
under voltage protection: 10.50V/pc
over current protection: 23A

2.Motor parameter
Running current: ≤10.0A
Motor power ≤450W

Specifications		
Rataed volt (V)		12 V
Rated capacity (2hr)		23 Ah
Dimensions	Length	181 mm
	Width	77 mm
	Height	170 mm
	Total height	171 mm
Ref.weight (kg)		7.0 ±0.2 Kgs

Performance parameter		
Rated capacity (25℃)	2hr capacity(10A discharge): 23Ah	
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 2.3-2.7A
		14.65V-14.75V/pc
	Float charge	13.7V-13.8V/pc

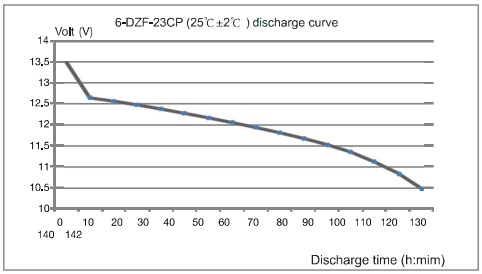
6-DZF-23 (4pcs/group 25℃±2℃) charge curve



1st phase: max. current 2.3A~2.7A voltage continuously increases to 57.6V

2nd phase: voltage continuously increases from 57.6V to 58.8±0.2V, Current continuously decreased to 0.55~0.60A, 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 ℃)



CERTIFIED QUALITY

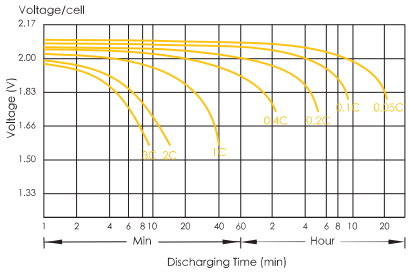
All products are tested and certified to multiple standard.
Designed in accordance with and published in compliance with applicable BCI, IEC and BS EN standards.

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

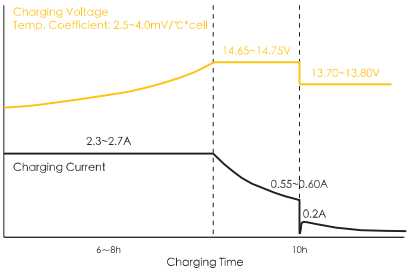
6-DZF-23

12V23Ah @2hr
12V29Ah @20hr

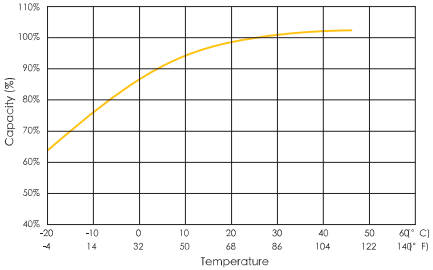
Discharging Characteristics (25° C/77° F)



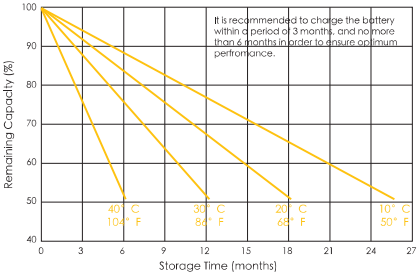
Charging Characteristics (25° C/77° F)



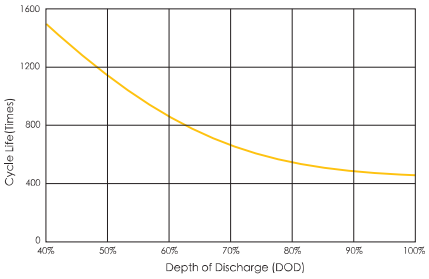
Capacity vs Temperature



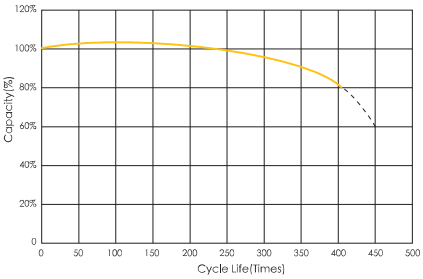
Self-discharge vs Time



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



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



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