

6-EVF-26

Premium series

VRLA gel battery for electric bicycle



Product usage configuration requirements:

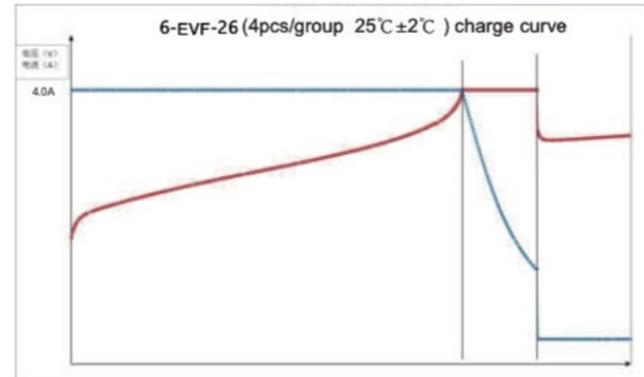
1. Controller parameters
under voltage protection: 10.50V/pc
over current protection: 25A
2. Motor parameter
Running current: $\leq 10.0A$
Motor power $\leq 450W$

Specifications

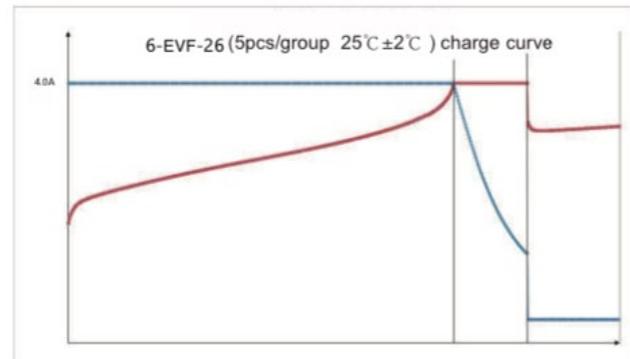
Rated volt (V)	12V	
Rated capacity (3hr)	26Ah	
Dimensions (mm)	Length	181mm
	Width	77mm
	Height	170mm
	Total height	171mm
Ref.weight (kg)	7.2 \pm 0.2 Kgs	

Performance parameter

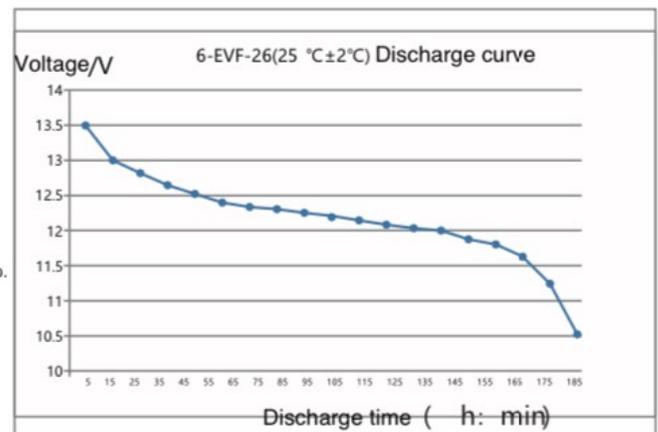
Rated capacity (25°C)	3hr capacity(8.67A discharge): 26Ah (15次循环内3hr容量达到26Ah)	
Battery capacity at different temp. (3hr)	40 C	102%
	25 C	100%
	0 C	85%
	-15 C	70%
Storage capacity (25°C)	3 months	90%
	6 months	80%
	9 months	60%
Limited voltage charge(25°C)	Cycle use	max.charge current 3.0-4.0A
		14.65V-14.75V/pc
	Floating use	13.7V-13.8V/pc



1st phase: 4.0 \pm 0.1A constant current to 57.6 \pm 0.30v or time to 5h, static for 5min
2nd phase: 4.0 \pm 0.05A constant current and voltage 58.8 \pm 0.3V for 1.6h or current is lower than 0.72A \pm 0.05A
3rd phase: the current is reduced to 0.36A, voltage is 62.4 \pm 0.3V, charge for 1.5h.
Temp. compensation coefficient: 2.5-3.0mV(single cell°C)



1st phase: 4.0 \pm 0.1A constant current to 72.0 \pm 0.20v or time to 5h, static for 5min
2nd phase: 4.0 \pm 0.05A constant current and voltage 73.5 \pm 0.2V for 1.6h or current is lower than 0.72A \pm 0.05A
3rd phase: the current is reduced to 0.36A, voltage is 78.0 \pm 0.2V, charge for 1.5h.
Temp. compensation coefficient: 2.5-3.0mV(single cell°C)



Notes for charger:

1. Charger has temp.compensation function that will reduce constant charge voltage during high temp. while increase constant voltage during low temp, compensation coefficient is 2.5~3.0mV/single cell. For example, 48V charger, environment temp. is 30°C, then the volt during constant voltage charging process is 58.8-(30-25)*(0.0025-0.003)*24=58.44-58.5V.
2. Charger has the function to avoid thermal run-away.
3. Charger can automatically stop charging after fully charged.
4. Charger self-protection function option: refer to ebike maker's requests.

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

