



## **Electric Bike Batteries**

# Electric Bike Batteries (DC Series, VRLA Type)

## Features

- **Low self-discharge rate**  
Using high quality alloy grid, super pure electrolyte, lower self discharge rate and water loss.
- **Long cycle life**  
With higher recombination efficiency, batteries could cycle more than 360 cycles at normal conditions at 25degC. Cycle up to 650 cycles in accordance with regulations maintenance and operation.
- **Safety and reliance:**  
Using specially designed safety covers, extends cycle life and improves safety performance as well.
- **Leakage prevention and hermetically sealed structure**  
Batteries can be used in any orientation(except inversion).
- **Optimized design**  
Not only have the advantages of VRLA technology, but also well maintainability, and regular maintenance would extend battery life 50%~100% or more.
- **One time weld**  
All batteries and plates using one-time weld technology with advanced high precision weld machine, lug increase 5 time conductive area, reduce battery internal resistance. Increase pole and bug corrosion resistance, reduce lead slag on bus-bar, enhancing the stability of battery quality.
- **High-Quality ABS**  
Novel and unique appearance and Improved strength and toughness of the materials, reducing the damage rate during transport and operation.

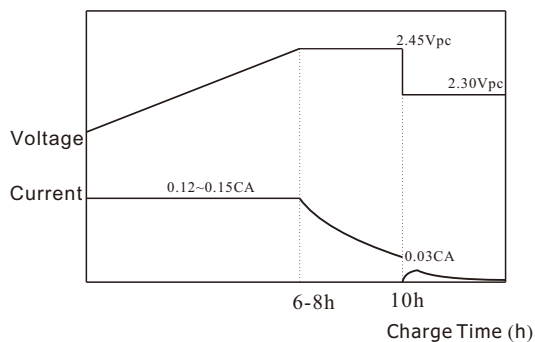


## Specifications

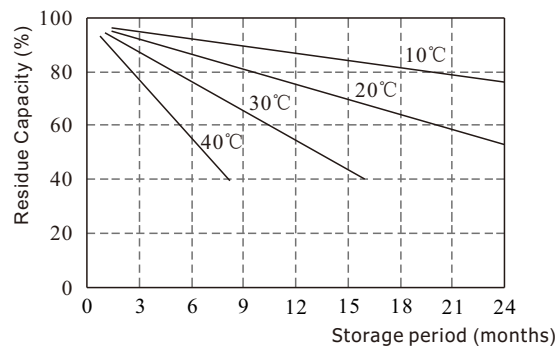
Type	Rated Voltage(V)	Rated Capacity(Ah) C <sub>2</sub>	Dimensions (mm)				Weight kg/bloc.
			Length(±3)	Width(±2)	Height(±3)	Height over Terminal	
6-DZM-12	12	12	152	99	98	106	4.4
6-DZM-20	12	20	181	88	170	176	7.0
6-DZM-24	12	24	166	175	125	128	9.0
6-DZM-28	12	28	319	80.5	128	133	9.3
6-DZM-30	12	30	267	77	170	175	10.1
8-DZM-14	16	14	201	112	100	105	6.7
8-DZM-20	16	20	251	100	128	133	9.4

# Electric Bike Batteries (DC Series, VRLA Type)

Charge Curve



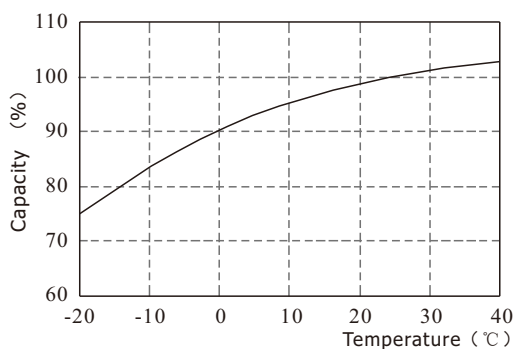
Storage Curve



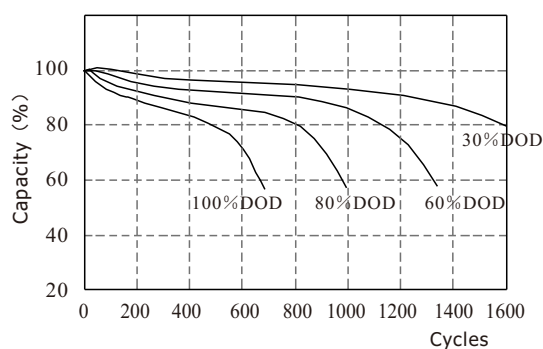
## 3 Steps Charge Mode:

- Step 1: charge with constant current 0.12CA~0.15CA to 2.45Vpc, then turn to step 2,
- Step 2: charge with constant voltage 2.45Vpc to current drop to 0.03CA, then turn to step 3,
- Step 3: trickle charge with constant current 2.30Vpc.

Temperature vs Capacity Curve



Cycle vs DOD curve



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