



SERIES BPE

Electric Scooter Battery Series Specifications

Voltage : 12V, 16V

Capacity : 7 Ah-50 Ah

Floating Service life : DOD80% (new national standard) can cycle for 600-800 times.

Characteristics

- Large capacity and high specific energy.
- Long Service Life: in standard state DOD80% (new national standard) can cycle for 600-800 times.
- Superior Low-temperature Performance: superlative low-temperature charge and discharge acceptance, avoiding sharp decline of mileages of continuation for battery in winter.
- Better consistency: a new generation of patented formula and state-of-the-art special processing technique guarantee the stable consistency of multiple compartments of battery in serial operation.
- Environmentally friendly: reliable and sealed structure design and are free from leaking and acid mist diffusion. Placed and used in any directions reliably and safely.

Applications

- Electric Scooters
- Electric Bikes
- Electric Vehicles
- Electric Motorcycles

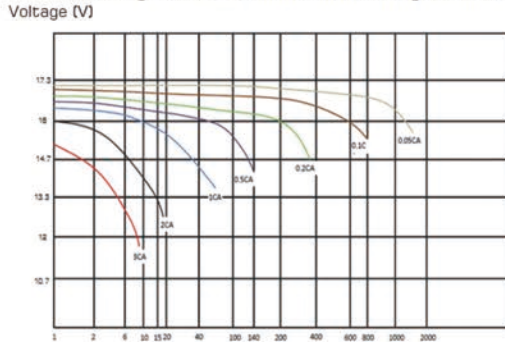
Environmentally Recommended Setting Parameters

Item		24V Battery Bank	36V Battery Bank	48V Battery Bank
Charger Parameters	Max. Charge Voltage (V)	29.3V-29.5V	43.8V-44.2V	58.6V-59.0V
	Float Charge Voltage (V)	27.4V-27.6V	41.0V-41.4V	54.8V-55.2V
	Max. Charge Current (A)	1.8A-2.2A	1.8A-2.2A	1.8A-2.2A
	Shifting Current (A)	0.38A-0.43A	0.38A-0.43A	0.38A-0.43A
	Temperature Compensation Coefficient (mV/°C/cell)	2.5~4.0(mV/°C/cell)	2.5~4.0(mV/°C/cell)	2.5~4.0(mV/°C/cell)
Controller Parameters	Under-voltage Protection (V)	21V±0.5V	31.5V±0.5V	42V±0.5V
	Limited Current (A)	≤15A	≤15A	≤15A
	Turn-on Lock Current(A)	≤0.1A	≤0.1A	≤0.1A
Electrical Motor Parameters	Average Current (A)	≤7A	≤7A	≤7A
	Motor Power (W)	≤150W	≤250W	≤300W

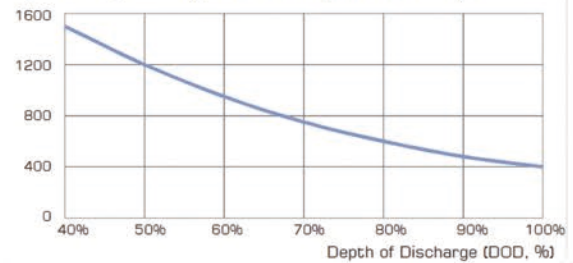




Discharge Curves at Different Discharge Rate (25°C)



Cycle Life (Cycles) Cycle Life vs. Depth of Discharge



Product list

Model	Voltage	Capacity		Dimension(mm)				Weight
	V	AH	20HR	L	W	H	total height	kgs/pc
6-DZM-7	12	7(2hrs)	9Ah	151	65	96	103	2.40
6-DZM-9	12	9(2hrs)	14AH	151	65	96	103	2.65
6-DZM-12	12	12(2hrs)	17Ah	152	99	95	102	4.40
8-DZM-14	16	14(2hrs)	17Ah	201	113	100	105	6.80
6-DZM-20	12	20(2hrs)	25Ah	181	77	170	170	7.00
8-DZM-20	16	20(2hrs)	25Ah	250	100	106	128	9.40
6-DZM-24	12	24(2hrs)	28Ah	175	166	125	125	9.10
6-EVF-32	12	28(3hrs)	32Ah	320	81	125	125	9.60
6-EVF-35	12	30(3hrs)	35AH	267	77	170	175	10.10
6-EVF-40	12	35(3hrs)	40AH	223	106	174	176	11.70
6-EVF-50	12	40(3hrs)	50AH	223	122	174	176	13.50

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