General Features

▶High corrosion resistant performance: Pb-Ca multi-alloy grid

▶High energy density and power density

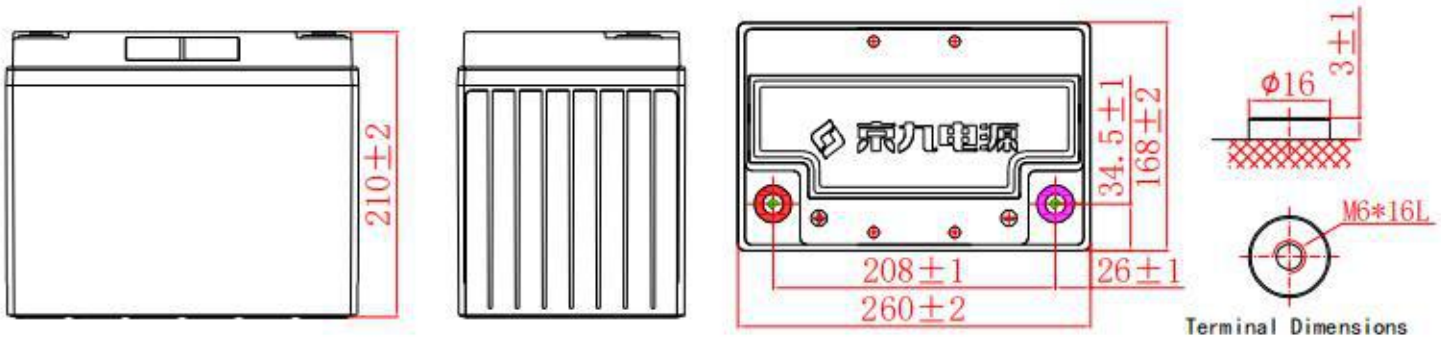
▶Optimized capability of instant high-current discharging

▶Excellent charge acceptance ability

▶Strong high and low temperature performance

▶Low self-discharge rate

Dimension:260(L)×168(W) ×210(H)×210(TH) **Unit: mm**



Specification	
Nominal Voltage	12V
Nominal Capacity	80Ah
Design life	5 years
Terminal	M6
Approx. Weight	Approx25.7kg (56.7lbs)
Container Material	ABS
Self discharge	3% of capacity declined per month at 25°C
Rated Capacity	
20Hour Rate (5.00A to 10.5V)	100.0Ah
3Hour Rate (26.7A to 10.5V)	80.0Ah
1Hour Rate (68.0A to 10.5V)	68.0Ah
Operating Temperature	
Discharge:	-20 ~50℃(-4~ 122°F)
Charge :	-20 ~50℃(-4~ 122°F)
Storage:	-20 ~50℃(-4~ 122°F)
Charge Method(25 ℃)	
Max charge current	12.0A
Float Use:	13.7-13.9V@25
Cycle Use :	14.7-14.9V,@25

Standards

Executive standard :GB/T32620-2016

Applications

▶Electric vehicle

▶Electric wheelchair

▶Electric scooter

▶Electric play car for children

▶Garbage truck

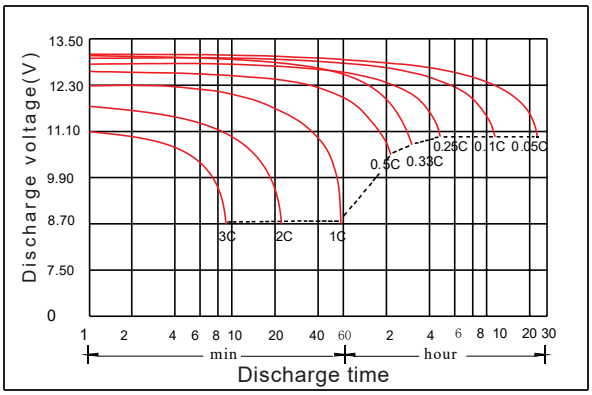
▶Patrol car

Attain Certificate

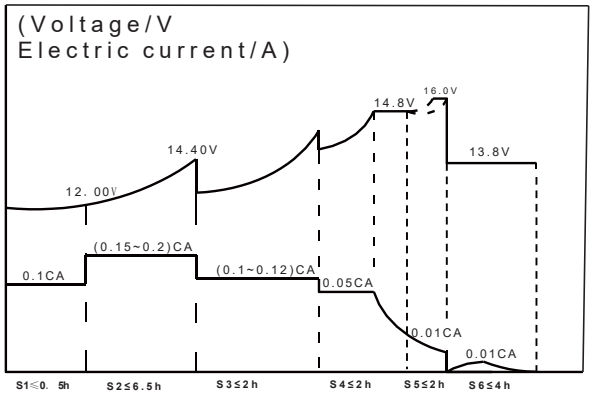
ISO 9001 CQM · ISO 14001 CQM · OHSAS 18001 CQM · RoHS

Disclaimer: Manufacturers have the right to self-modify the parameters of the product updates, please keep in touch with manufacturers to obtain the latest information.

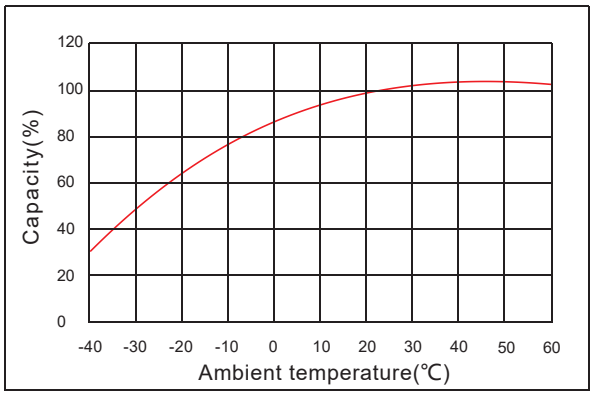
Discharge characteristic



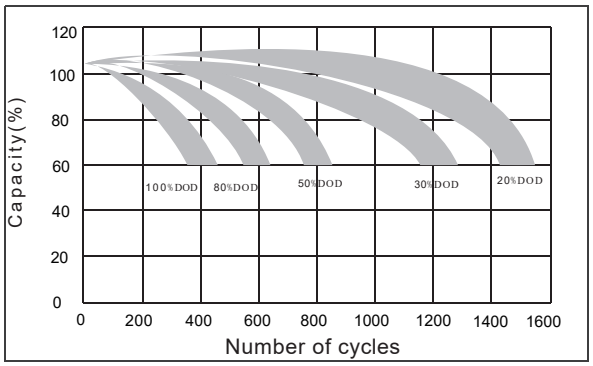
Charging characteristic



The effect of temperature on capacity



The effect of discharge depth on cycle life



Constant Current Discharge Characteristics Unit:A (25℃,77℉)

FV/Time	30min	1h	2h	3h	5h	8h	10h	20h
1.60V	111	70.0	38.1	27.7	18.1	11.5	9.68	5.07
1.65V	109	69.5	37.9	27.5	18.0	11.4	9.59	5.05
1.70V	107	69.0	37.5	27.0	17.8	11.3	9.49	5.02
1.75V	106	68.0	37.0	26.7	17.6	11.2	9.40	5.00
1.80V	101	66.3	36.3	26.6	17.2	11.2	9.31	4.98
1.85V	92.5	61.4	34.5	25.1	16.3	10.7	9.03	4.89

Constant Power Discharge Characteristics Unit: W/cell (25℃ ,77℉)

FV/Time	30min	1h	2h	3h	5h	8h	10h	20h
1.60V	201	133	71.9	52.7	34.4	22.3	18.6	10.0
1.65V	199	132	71.7	52.1	34.2	22.1	18.4	10.0
1.70V	199	130	71.5	51.8	34.0	22.0	18.2	9.95
1.75V	198	129	71.0	51.4	33.8	21.9	18.1	9.91
1.80V	192	128	70.8	51.3	33.4	21.7	17.9	9.86
1.85V	176	119	67.7	48.8	31.9	21.0	17.6	9.76

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