

Executive standard: GB/T 32620.1-2016



Applications

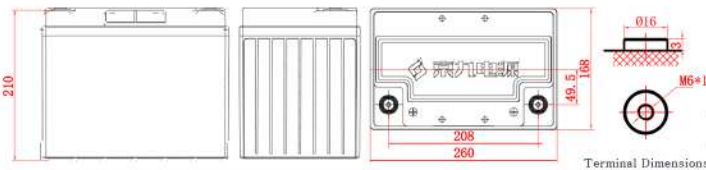
- > Electric vehicle
- > Electric wheelchair
- > Electric scooter
- > Electric play car for children
- > Garbage truck
- > Patrol car

General Features

- > High corrosion resistant performance: Pb-Ca multi-alloy grid
- > High energy density and power density
- > Excellent charge acceptance ability
- > Strong high and low temperature performance
- > Optimized capability of instant high-current discharging
- > Low self-discharge rate



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



Specification

Nominal Voltage	12V
Nominal Capacity	75Ah
Design life	5 years
Terminal	M6
Approx. Weight	Approx 25.2kg (55.6lbs)
Container Material	ABS
Rated Capacity	90.0Ah 20Hour Rate (4.80A to 10.5V) 75.0Ah 3Hour Rate (25.7A to 10.5V) 64.0Ah 1Hour Rate (64.0A to 10.5V)
Operating Temperature	Discharge: -20 ~50°C (-4~ 122°F) Charge: -20 ~50°C (-4~ 122°F) Storage: -20 ~50°C (-4~ 122°F)
Charge Method (25 °C)	Float Use: 13.7-13.9V@25 Cycle Use : 14.7-14.9V, @25 Max charge current 11.55A
Self discharge	3% of capacity declined per month at 25°C

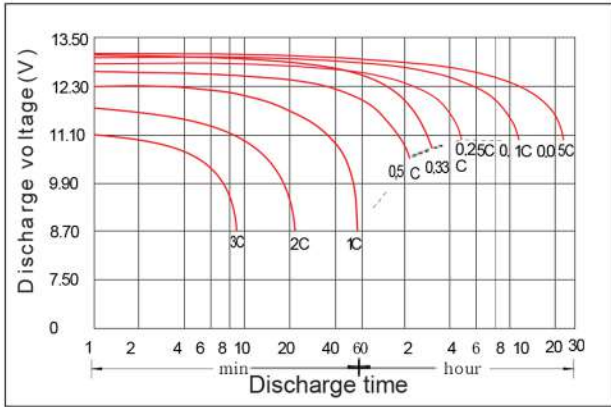
Constant Current Discharge Characteristics Unit: A (25°C, 77°F)

FV/Time	30min	1h	2h	3h	5h	8h	10h	20h
1.60V	107	65.8	35.5	26.7	17.3	11.0	9.27	4.87
1.65V	105	65.4	35.3	26.4	17.2	10.9	9.18	4.85
1.70V	103	65.0	35.0	26.0	16.9	10.8	9.09	4.82
1.75V	102	64.0	34.5	25.7	16.8	10.7	9.00	4.80
1.80V	97.6	62.4	33.9	25.6	16.4	10.7	8.91	4.78
1.85V	89.0	57.8	32.2	24.1	15.6	10.2	8.64	4.69

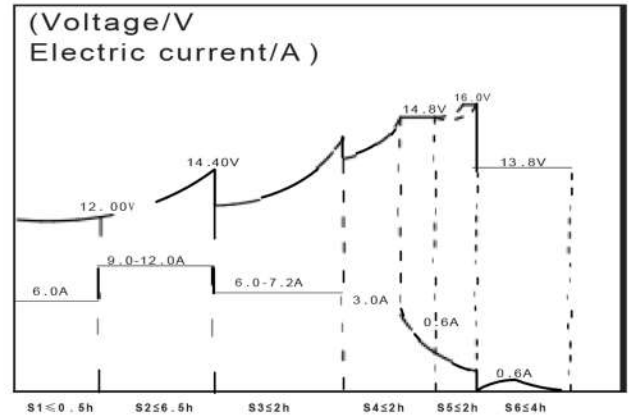
Constant Power Discharge Characteristics Unit: W/cell (25°C, 77°F)

FV/Time	30min	1h	2h	3h	5h	8h	10h	20h
1.60V	193	125	67.1	50.8	32.9	21.4	17.8	9.64
1.65V	191	124	66.9	50.1	32.7	21.2	17.6	9.60
1.70V	191	123	66.7	49.8	32.5	21.1	17.4	9.55
1.75V	190	122	66.2	49.5	32.3	21.0	17.3	9.51
1.80V	185	121	66.0	49.4	31.9	20.8	17.1	9.46
1.85V	170	112	63.1	47.0	30.4	20.1	16.8	9.37

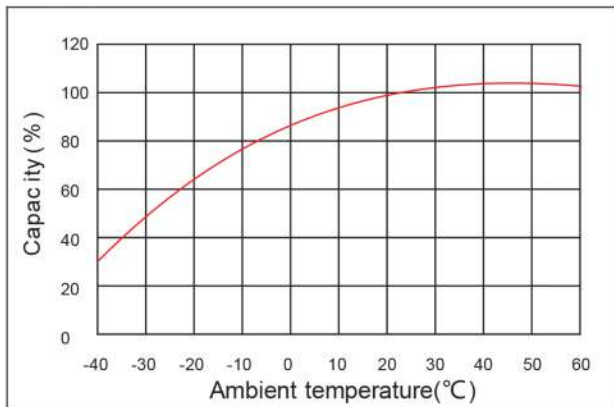
Discharge characteristic



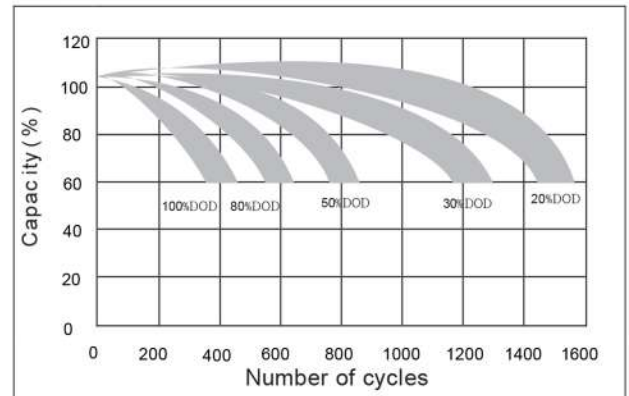
Charging characteristic



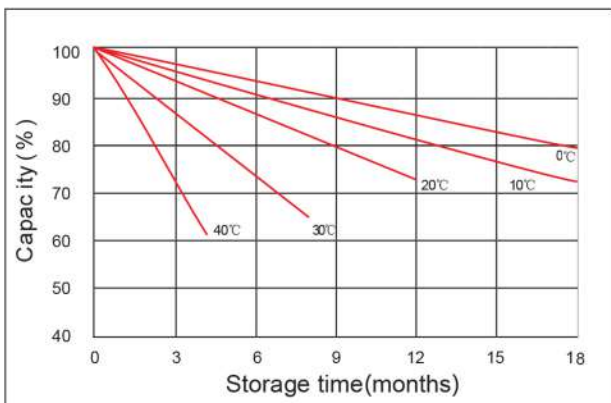
The effect of temperature on capacity



The effect of discharge depth on cycle life



Curves of self-discharge



Curves of open circuit voltage vs. capacity

