General Features

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

▶High energy density and power density

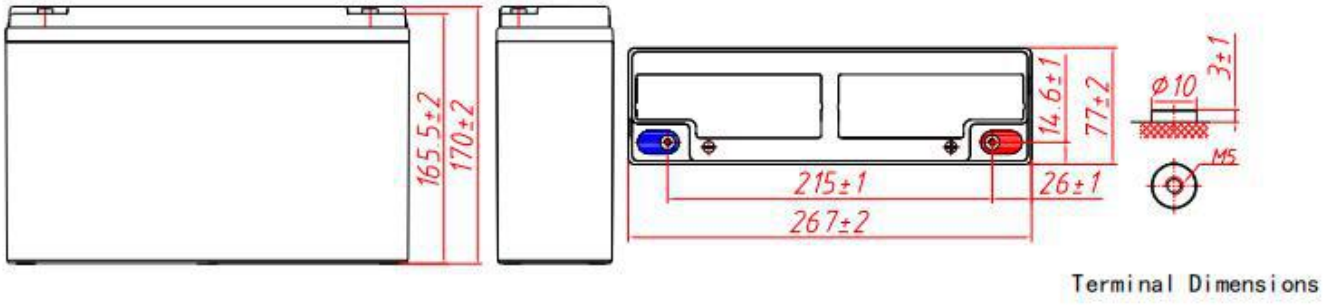
▶Optimized capability of instant high-current discharging

▶Excellent charge acceptance ability

▶Strong high and low temperature performance

▶Low self-discharge rate

Dimension:267(L)×77(W) ×170(H)×170(TH) **Unit: mm**



Terminal Dimensions

Specification	
Nominal Voltage	12V
Nominal Capacity	35Ah
Design life	5 years
Terminal	M5
Approx. Weight	Approx9.6kg (21.2lbs)
Container Material	ABS
Self discharge	3% of capacity declined per month at 25°C
Rated Capacity	
10Hour Rate (3.70A to 10.5V)	37.0Ah
3Hour Rate (11.7A to 10.5V)	35.0Ah
1Hour Rate (28.0A to 10.5V)	28.0Ah
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	5.25A
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

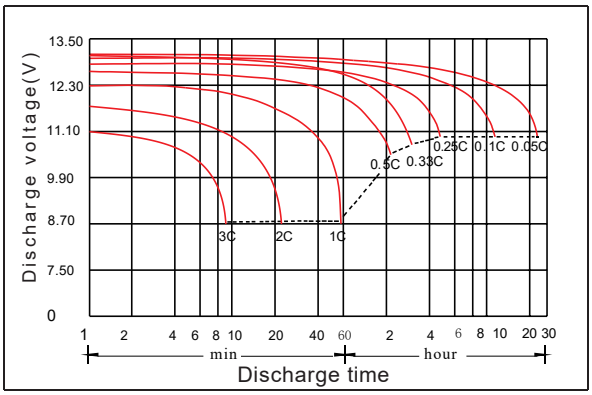
▶Patrol car

Attain Certificate

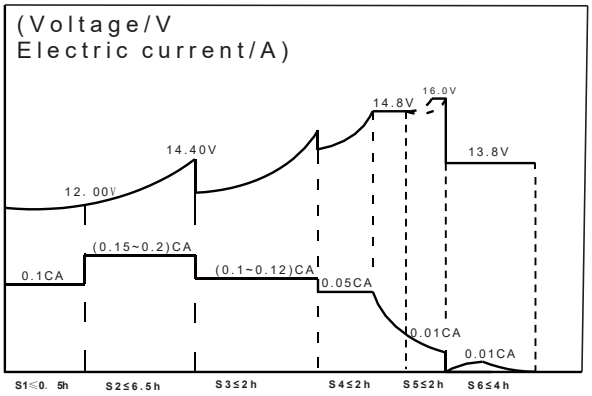
ISO 9001 CQM · ISO 14001 CQM · OHSAS 18001 CQM · RoHS

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.

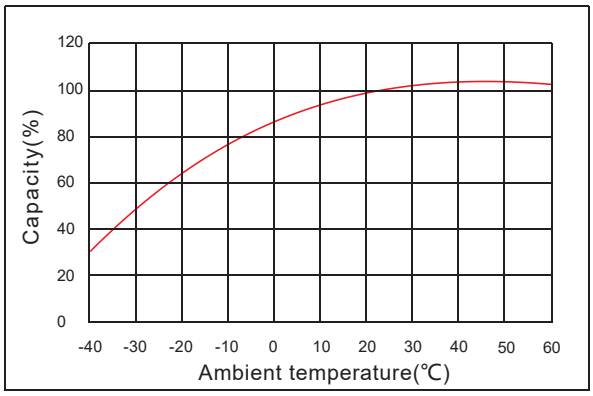
Discharge characteristic



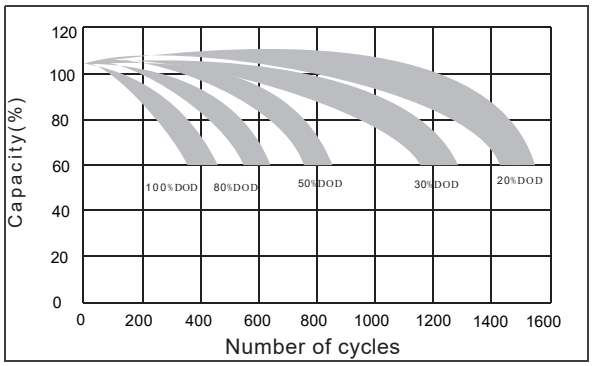
Charging characteristic



The effect of temperature on capacity



The effect of discharge depth on cycle life



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

FV/Time	5min	15min	30min	1h	2h	3h	5h	8h	10h	20h
1.60V	148	79.6	50.3	28.8	16.5	12.0	7.42	4.52	3.81	2.13
1.65V	144	77.2	49.4	28.6	16.4	11.9	7.38	4.48	3.77	2.12
1.70V	138	75.8	48.4	28.4	16.2	11.7	7.29	4.44	3.74	2.11
1.75V	127	73.0	48.0	28.0	16.0	11.7	7.20	4.40	3.70	2.10
1.80V	114	68.3	45.9	27.3	15.7	11.6	7.02	4.40	3.66	2.09
1.85V	102	60.8	41.9	25.3	14.9	10.9	6.67	4.19	3.55	2.05

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

FV/Time	5min	15min	30min	1h	2h	3h	5h	8h	10h	20h
1.60V	249	140	91.0	54.7	31.1	22.9	14.1	8.79	7.33	4.22
1.65V	239	138	90.0	54.2	31.0	22.6	14.0	8.71	7.25	4.20
1.70V	238	136	90.0	53.7	30.9	22.5	13.9	8.67	7.16	4.18
1.75V	222	136	89.5	53.2	30.7	22.3	13.8	8.63	7.12	4.16
1.80V	204	128	87.1	52.8	30.6	22.3	13.7	8.55	7.04	4.14
1.85V	182	115	79.8	49.0	29.3	21.2	13.0	8.26	6.92	4.10

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