General Features

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

▶High energy density and power density

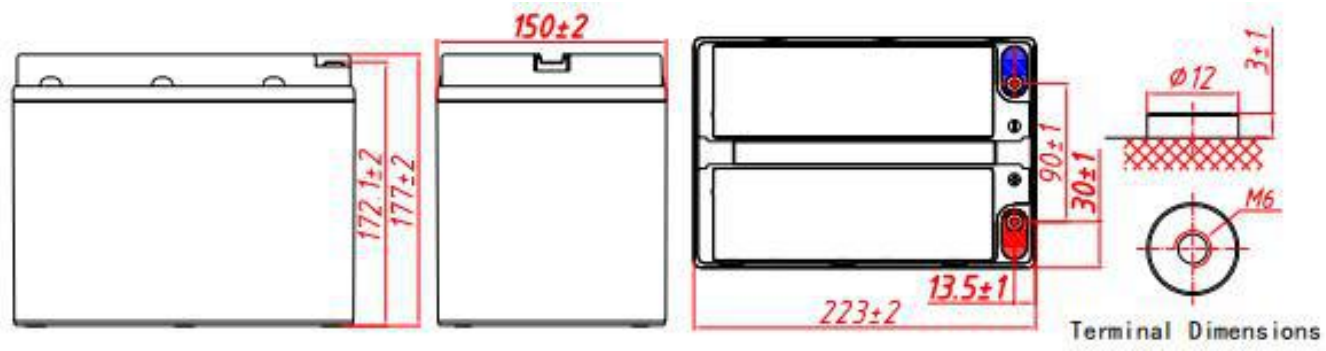
▶Optimized capability of instant high-current discharging

▶Excellent charge acceptance ability

▶Strong high and low temperature performance

▶Low self-discharge rate

Dimension:223(L)×150(W) ×177(H)×177(TH) **Unit: mm**



Specification	
Nominal Voltage	12V
Nominal Capacity	58.3Ah
Design life	5 years
Terminal	M6
Approx. Weight	Approx15.8kg (34.8lbs)
Container Material	ABS
Self discharge	3% of capacity declined per month at 25°C
Rated Capacity	
10Hour Rate (6.20A to 10.5V)	62.0Ah
3Hour Rate (19.4A to 10.5V)	58.3Ah
1Hour Rate (46.0A to 10.5V)	46.0Ah
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	8.75A
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

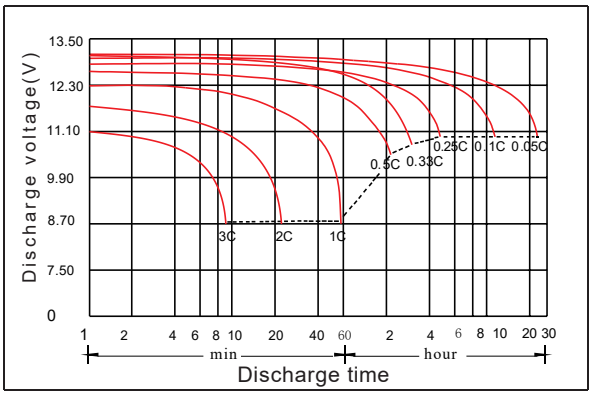
▶Patrol car

Attain Certificate

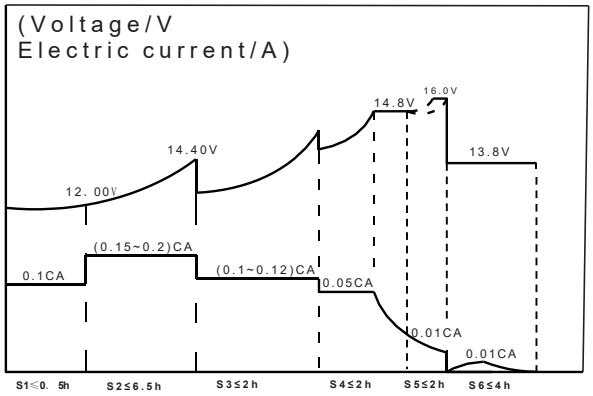
ISO 9001 CQM · ISO 14001 CQM · OHSAS 18001 CQM · RoHS

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.

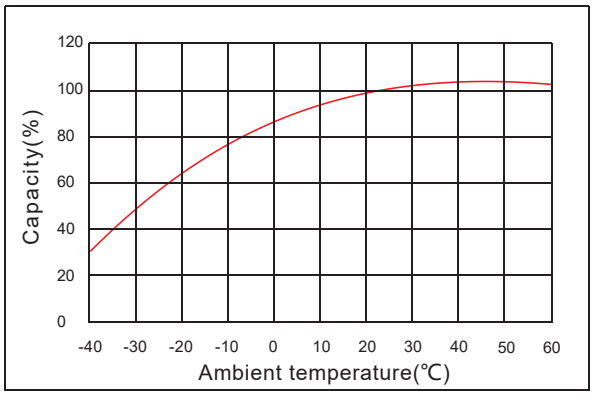
Discharge characteristic



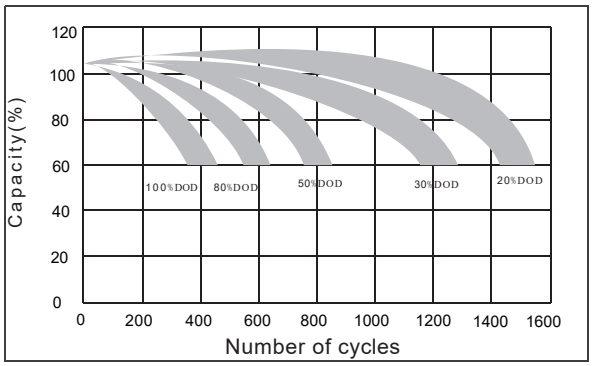
Charging characteristic



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	219	118	75.5	47.3	28.3	20.1	12.4	7.57	6.38	3.55
1.65V	213	114	74.0	47.0	28.2	20.0	12.3	7.50	6.32	3.54
1.70V	204	112	72.6	46.7	27.9	19.6	12.1	7.43	6.26	3.51
1.75V	188	108	72.0	46.0	27.5	19.4	12.0	7.37	6.20	3.50
1.80V	168	101	68.9	44.8	27.0	19.3	11.7	7.37	6.14	3.49
1.85V	150	90.0	62.9	41.5	25.6	18.2	11.1	7.03	5.95	3.42

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

FV/Time	5min	15min	30min	1h	2h	3h	5h	8h	10h	20h
1.60V	368	208	136	89.8	53.5	38.3	23.5	14.7	12.3	7.03
1.65V	354	204	135	89.0	53.3	37.8	23.3	14.6	12.1	7.00
1.70V	352	201	135	88.3	53.1	37.6	23.2	14.5	12.0	6.96
1.75V	328	201	134	87.5	52.8	37.4	23.0	14.5	11.9	6.93
1.80V	302	190	131	86.7	52.6	37.3	22.8	14.3	11.8	6.90
1.85V	269	170	120	80.4	50.3	35.4	21.7	13.8	11.6	6.83

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