General Features

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

▶High energy density and power density

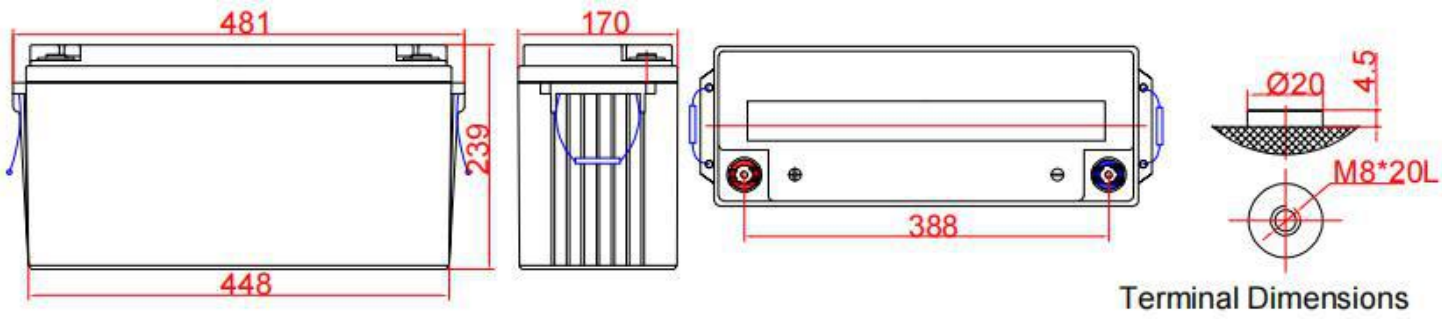
▶Optimized capability of instant high-current discharging

▶Excellent charge acceptance ability

▶Strong high and low temperature performance

▶Low self-discharge rate

Dimension:481(L)×170(W) ×239(H)×239(TH) **Unit: mm**



Specification	
Nominal Voltage	12V
Nominal Capacity	150Ah
Design life	5 years
Terminal	M8
Approx. Weight	Approx50.0kg (110.2lbs)
Container Material	ABS
Self discharge	3% of capacity declined per month at 25°C
Rated Capacity	
10Hour Rate (17.0A to 10.5V)	170.0Ah
3Hour Rate (50.0A to 10.5V)	150.0Ah
1Hour Rate (126A to 10.5V)	126.0Ah
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	22.5A
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

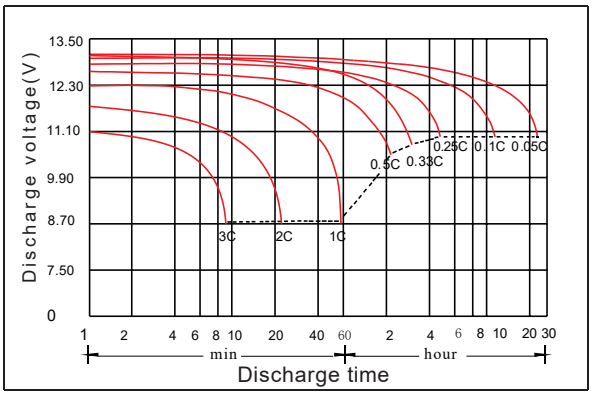
▶Patrol car

Attain Certificate

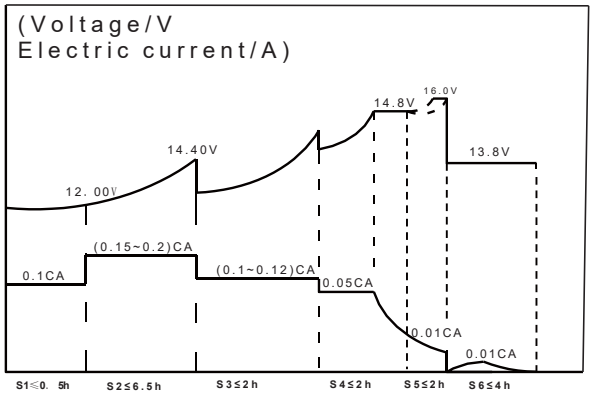
ISO 9001 CQM · ISO 14001 CQM · OHSAS 18001 CQM · RoHS

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.

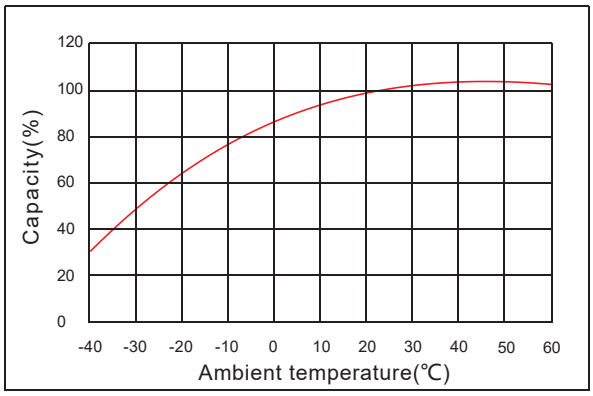
Discharge characteristic



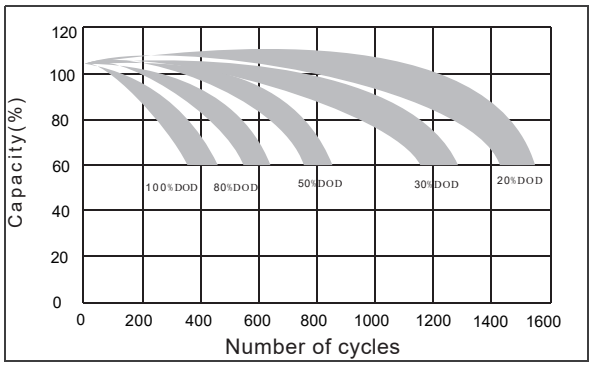
Charging characteristic



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	226	130	72.1	51.9	33.0	20.8	17.5	9.43
1.65V	222	129	71.7	51.4	32.8	20.6	17.3	9.40
1.70V	218	128	71.0	50.6	32.4	20.4	17.2	9.34
1.75V	216	126	70.0	50.0	32.0	20.2	17.0	9.30
1.80V	207	123	68.8	49.8	31.2	20.2	16.8	9.26
1.85V	189	114	65.2	46.9	29.7	19.3	16.3	9.09

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

FV/Time	30min	1h	2h	3h	5h	8h	10h	20h
1.60V	409	246	136	98.8	62.5	40.4	33.7	18.7
1.65V	405	244	136	97.5	62.2	40.0	33.3	18.6
1.70V	405	242	135	96.9	61.9	39.8	32.9	18.5
1.75V	403	240	134	96.3	61.5	39.6	32.7	18.4
1.80V	392	237	134	96.1	60.7	39.3	32.4	18.3
1.85V	359	220	128	91.4	58.0	38.0	31.8	18.2

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