General Features

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

▶High energy density and power density

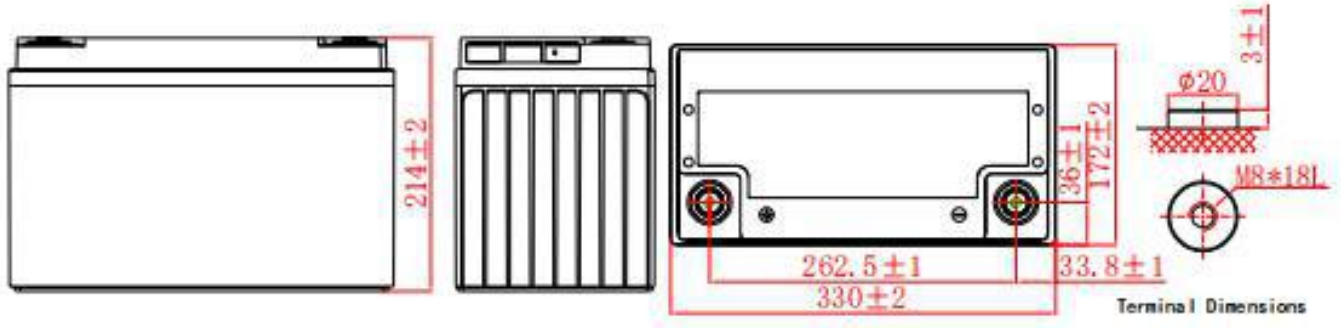
▶Optimized capability of instant high-current discharging

▶Excellent charge acceptance ability

▶Strong high and low temperature performance

▶Low self-discharge rate

Dimension:330(L)×172(W) ×214(H)×214(TH) **Unit: mm**



Specification	
Nominal Voltage	12V
Nominal Capacity	90Ah
Design life	5 years
Terminal	M8
Approx. Weight	Approx29.6kg (65.3lbs)
Container Material	ABS
Self discharge	3% of capacity declined per month at 25°C
Rated Capacity	
20Hour Rate (5.80A to 10.5V)	116.0Ah
3Hour Rate (30.0A to 10.5V)	90.0Ah
1Hour Rate (76.0A to 10.5V)	76.0Ah
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	13.5A
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

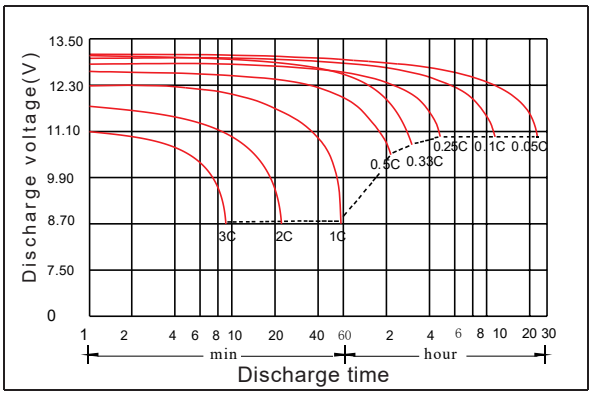
▶Garbage truck

▶Patrol car

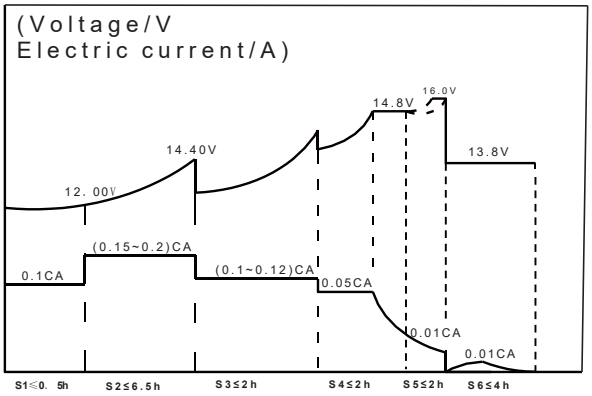
Attain Certificate

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.

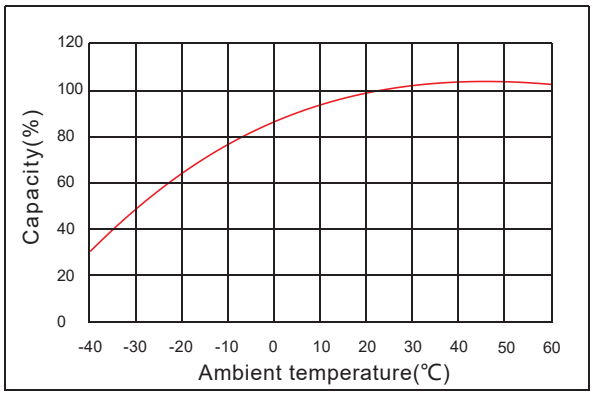
Discharge characteristic



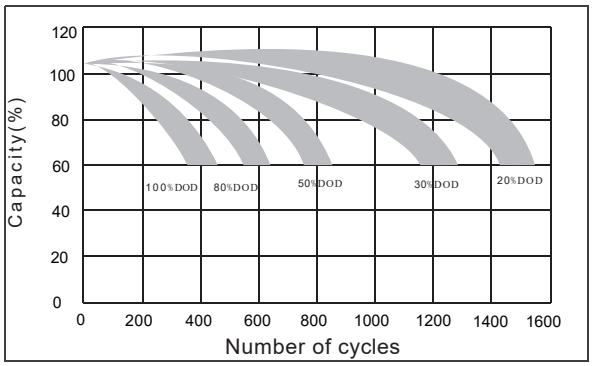
Charging characteristic



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	136	78.2	42.2	31.1	19.6	13.4	11.3	5.88
1.65V	134	77.7	42.0	30.9	19.5	13.3	11.2	5.86
1.70V	131	77.2	41.6	30.4	19.2	13.2	11.1	5.82
1.75V	130	76.0	41.0	30.0	19.0	13.1	11.0	5.80
1.80V	124	74.1	40.3	29.9	18.5	13.1	10.9	5.78
1.85V	113	68.6	38.2	28.1	17.6	12.5	10.6	5.67

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

FV/Time	30min	1h	2h	3h	5h	8h	10h	20h
1.60V	246	148	79.7	59.3	37.2	26.1	21.8	11.6
1.65V	244	147	79.5	58.5	37.0	25.9	21.5	11.6
1.70V	244	146	79.2	58.1	36.7	25.8	21.3	11.5
1.75V	242	145	78.7	57.8	36.5	25.7	21.2	11.5
1.80V	236	143	78.5	57.7	36.0	25.4	20.9	11.4
1.85V	216	133	75.0	54.8	34.4	24.6	20.6	11.3

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