

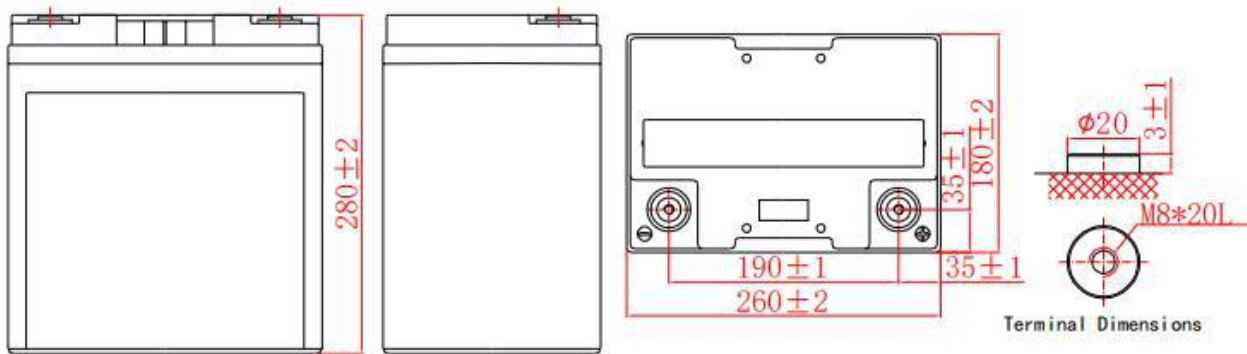
General Features

- ▶ 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: 260(L) × 180(W) × 280(H) × 280(TH)

Unit: mm



Specification	
Nominal Voltage	8V
Nominal Capacity	150Ah
Design life	5 years
Terminal	M8
Approx. Weight	Approx 33.5kg (73.9lbs)
Container Material	ABS
Self discharge	3% of capacity declined per month at 25°C
Rated Capacity	
10Hour Rate (17.2A to 10.5V)	172.0Ah
3Hour Rate (50.0A to 10.5V)	150.0Ah
1Hour Rate (128A to 10.5V)	128.0Ah
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)	
Max charge current	22.5A
Float Use:	9.00-9.20V@25
Cycle Use :	9.60-10.0V@25

Standards

Executive standard :GB/T32620-2016

Applications

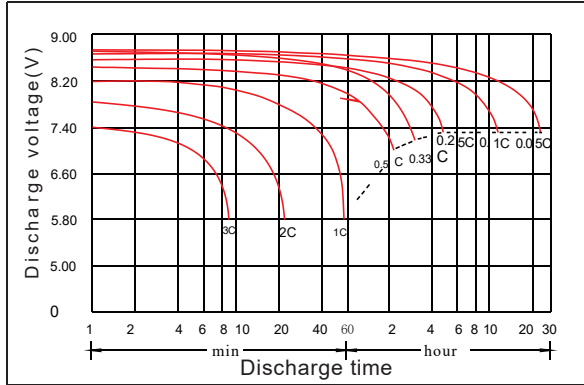
- ▶ Electric vehicle
- ▶ Electric wheelchair
- ▶ Electric scooter
- ▶ Electric play car for children
- ▶ Garbage truck
- ▶ Patrol car

Attain Certificate

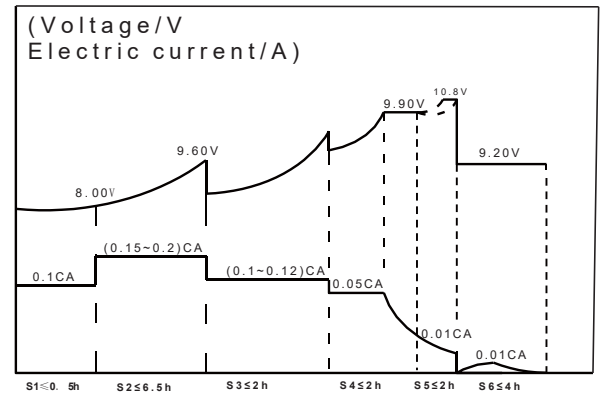




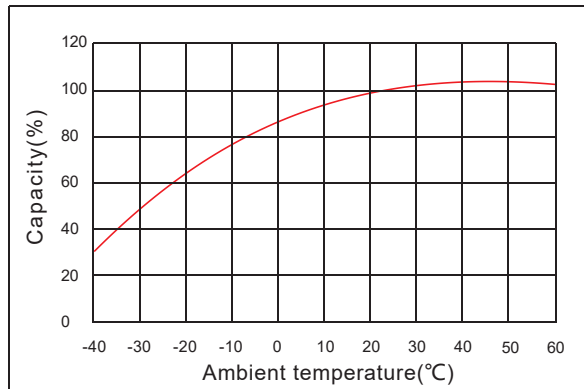
Discharge characteristic



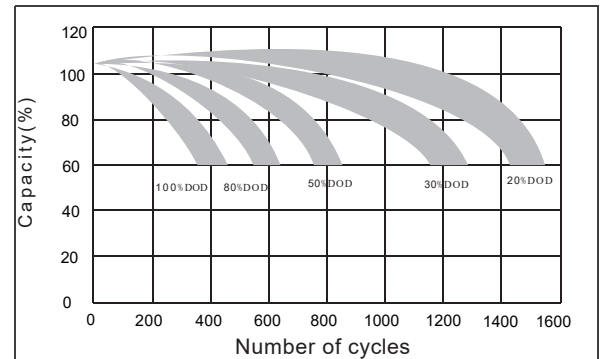
Charging characteristic



The effect of temperature on capacity



The effect of discharge depth on cycle life



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

FV/Time	30min	1h	2h	3h	5h	8h	10h	20h
1.60V	226	132	68.0	51.9	33.6	21.0	17.7	9.43
1.65V	222	131	67.6	51.4	33.4	20.8	17.5	9.40
1.70V	218	130	67.0	50.6	33.0	20.6	17.4	9.34
1.75V	216	128	66.0	50.0	32.6	20.4	17.2	9.30
1.80V	207	125	64.8	49.8	31.8	20.4	17.0	9.26
1.85V	189	116	61.5	46.9	30.2	19.5	16.5	9.09

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

FV/Time	30min	1h	2h	3h	5h	8h	10h	20h
1.60V	409	250	128	98.8	63.8	40.9	34.1	18.7
1.65V	405	248	128	97.5	63.4	40.5	33.7	18.6
1.70V	405	246	128	96.9	63.0	40.3	33.3	18.5
1.75V	403	243	127	96.3	62.6	40.1	33.1	18.4
1.80V	392	241	126	96.1	61.8	39.7	32.7	18.3
1.85V	359	224	121	91.4	59.0	38.4	32.2	18.2