

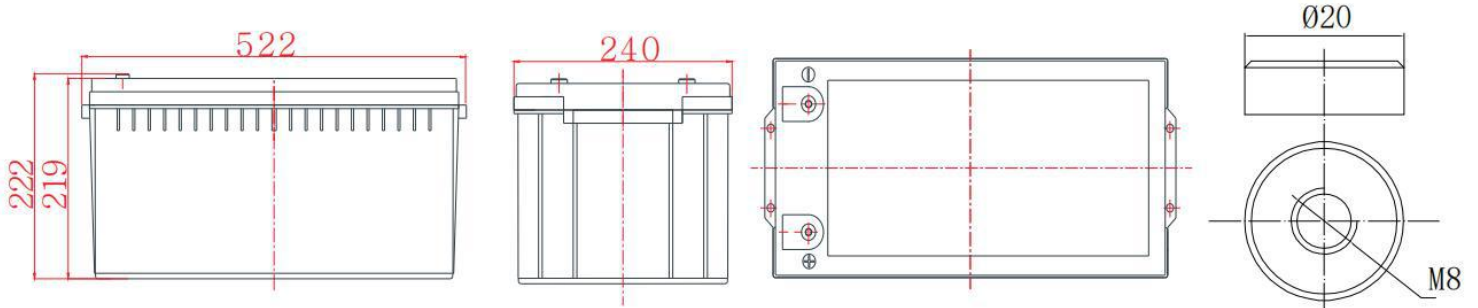
## General Features

- ▶ 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
- ▶ Excellent deep cycle discharge capability
- ▶ Strong high and low temperature performance
- ▶ Precision sealing technology
- ▶ Long life



**Dimension: 522(L) × 240(W) × 219(H) × 222(TH)**

**Unit: mm**



Terminal Dimensions

Specification	
Nominal Voltage	12V
Nominal Capacity	210Ah(700W@15min-rate to 1.67V percell@25°C)
Design life	10 years
Terminal	M8
Approx. Weight	Approx 62.5kg (137.8lbs)
Container Material	ABS(UL94-HB, UL94-V0 Optional)
short-circuit current	3636A
Internal resistance(Full charged at 25°C: )	3.3 mΩ
Self discharge	3% of capacity declined per month at 25°C
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)	
Charge current:	Max. 52.5A;Recom.21.0A
Float charge:13.5-13.8V	recom.13.8V(-18mV/ °C)
Equalize charge:13.8-14.1V	recom.14.1V(-24mV/ °C)
Cycle charge:14.4-15.0V	recom.14.7V(-30mV/ °C)

## Standards

Executive standard YD/T 3427-2018

## Applications

- ▶ UPS/EPS
- ▶ Power systems
- ▶ Telecommunications system
- ▶ Emergency lighting, Auto control system
- ▶ Solar/wind generating storage cyclic
- ▶ Other general purpose

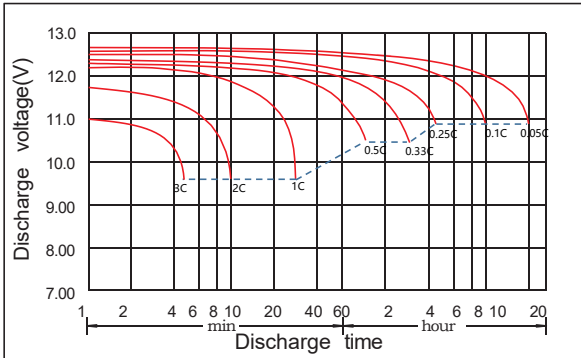
## Rated Capacity

10Hour Rate (21.0A to 10.8V)	210.0Ah
3Hour Rate (55.5A to 10.2V)	166.5Ah
1Hour Rate (137A to 9.6V)	137.0Ah

## Attain Certificate



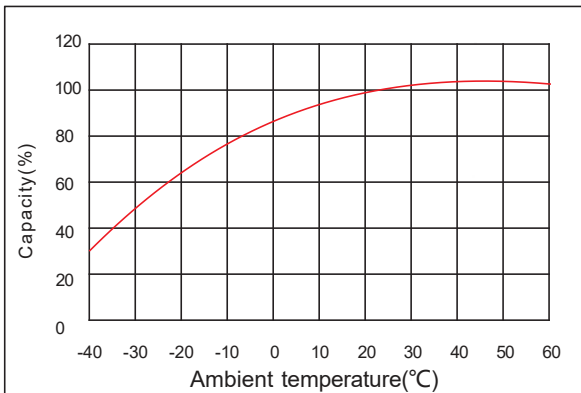
## Discharge characteristic



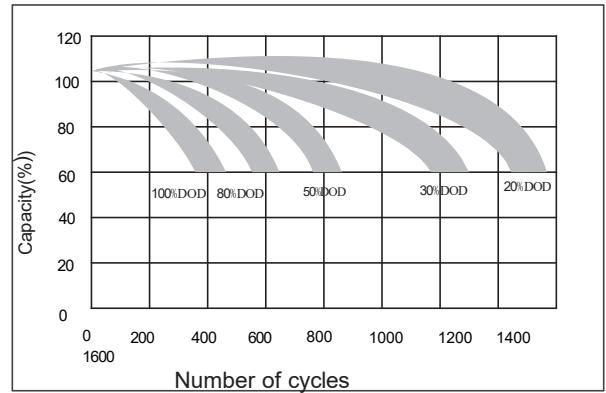
## Charging characteristic



## 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	5min	10min	15min	30min	45min	1h	1.5h	2h	3h	4h	5h	6h	8h	10h	20h
1.60V	591	462	402	225	168	137	109	71.8	56.5	42.4	36.9	31.9	24.5	21.7	11.4
1.67V	568	447	388	221	167	132	105	71.3	55.9	42.0	36.6	31.6	24.3	21.6	11.3
1.70V	550	437	380	217	165	129	103	70.5	55.5	41.7	36.4	31.4	24.0	21.4	11.2
1.75V	506	424	368	214	164	128	100	70.0	55.0	41.3	36.1	31.1	23.9	21.1	11.1
1.80V	453	395	343	205	162	121	95.4	69.2	54.4	41.0	35.6	30.8	23.6	21.0	11.0
1.85V	414	352	302	188	158	111	87.8	67.3	53.0	39.8	34.8	30.0	23.0	20.4	10.7

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

FV/Time	5min	10min	15min	30min	45min	1h	1.5h	2h	3h	4h	5h	6h	8h	10h	20h
1.60V	960	810	713	407	330	258	206	142	112	83.4	72.8	62.7	49.5	42.7	22.7
1.67V	923	795	700	403	327	249	200	141	111	82.7	72.4	62.1	49.1	42.4	22.5
1.70V	920	788	693	402	224	248	197	140	110	81.8	72.0	61.6	48.8	42.0	22.4
1.75V	857	782	685	400	320	246	196	139	109	80.8	71.7	60.8	48.2	41.4	22.1
1.80V	787	738	650	391	317	244	194	138	108	80.1	71.3	60.2	47.8	41.0	22.0
1.85V	728	668	575	363	313	227	180	137	107	78.9	70.5	59.4	46.6	40.4	21.6