

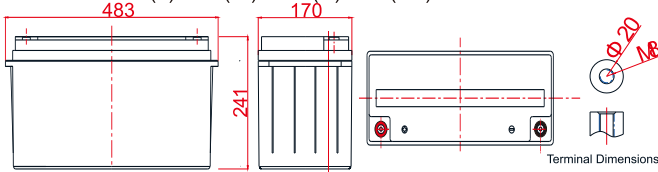


General Features

- 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: 483(L)×170(W)×241(H)×241(TH) Unit: mm



Applications

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

Specification

Nominal Voltage	12V
Nominal Capacity	150Ah
Design life	10 years
Terminal	M8
Approx. Weight	Approx 42.5kg (93.7lbs)
Container Material	ABS
Rated Capacity	150Ah 20Hour Rate (7.5A to 10.8V)
	115Ah 3Hour Rate (38.3A to 10.8V)
	93.3Ah 1Hour Rate (93.3.A to 10.5V)
Internal resistance	Full charged at 25°C: 3.5 mΩ
Max. Discharge Current	1800A(5S)
Operating Temperature	Discharge: -20 ~50°C(-4~ 122°F)
	Charge : -20 ~50°C(-4~ 122°F)
	Storage: -20 ~50°C(-4~ 122°F)
Charge current: Max.37.5A ; Recom.15A	
Float Charge voltage(-18mV/°C) :	
Charge Method (25 °C)	13.5-13.8V,recom.13.5V(Full floating system)
	13.5-13.8V,recom.13.62V(Cycle use system)
	Equalize charge:13.8-14.1V,recom.14.1V(-24mV/ °C)
	Cycle charge:14.4-15.0V,recom.14.4V(-30mV/ °C)
Self discharge	3% of capacity declined per month at 25°C

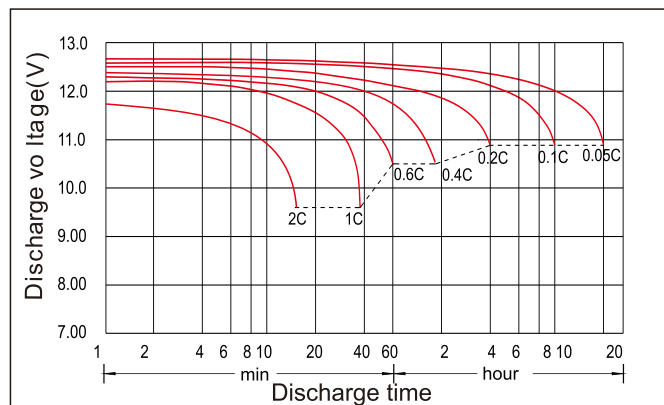
Constant Current Discharge Characteristics Unit: A (25°C,77°F)

F.V/Time	5min	15min	30min	1h	2h	3h	5h	8h	10h	20h
1.60V	503	270	164	96.0	55.0	39.9	26.8	17.6	14.8	7.78
1.65V	486	261	162	95.0	54.7	39.5	26.5	17.5	14.7	7.74
1.70V	467	256	159	95.0	54.3	39.0	26.2	17.3	14.5	7.70
1.75V	429	248	157	93.3	53.5	38.6	25.9	17.2	14.4	7.67
1.80V	386	231	150	90.9	52.5	38.3	25.3	17.0	14.3	7.63
1.85V	344	206	137	84.2	49.9	36.0	24.0	16.3	13.9	7.50

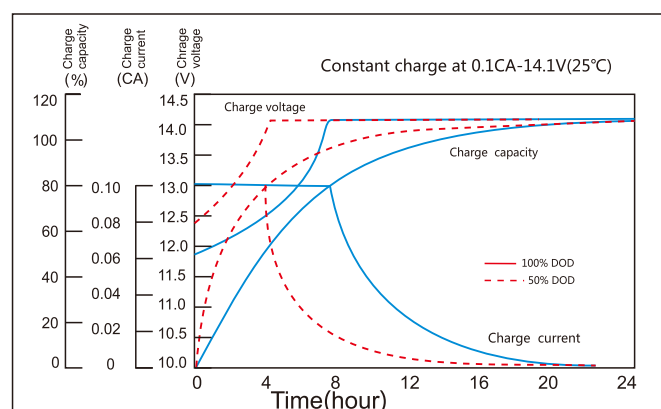
Constant Power Discharge Characteristics Unit: W/cell (25°C,77°F)

F.V/Time	5min	15min	30min	1h	2h	3h	5h	8h	10h	20h
1.60V	842	475	297	181	105	76.0	50.8	34.2	28.5	15.4
1.65V	809	466	295	180	104	75.0	50.5	33.9	28.2	15.3
1.70V	806	462	295	179	104	74.6	50.2	33.8	27.9	15.3
1.75V	751	459	293	178	103	74.2	49.9	33.5	27.6	15.2
1.80V	690	433	286	176	103	73.9	49.3	33.3	27.4	15.1
1.85V	616	388	262	163	97.9	70.2	47.0	32.1	27.0	15.0

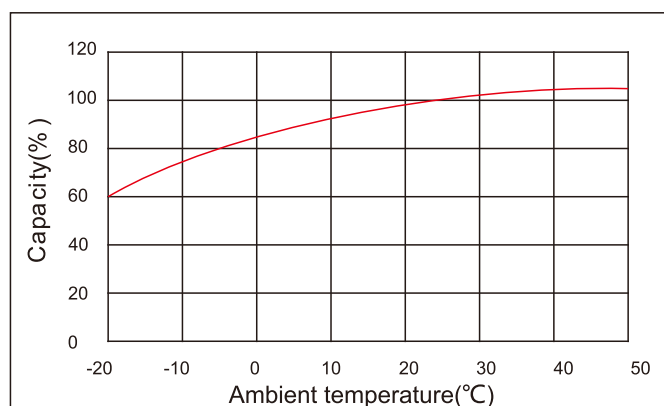
Discharge characteristic



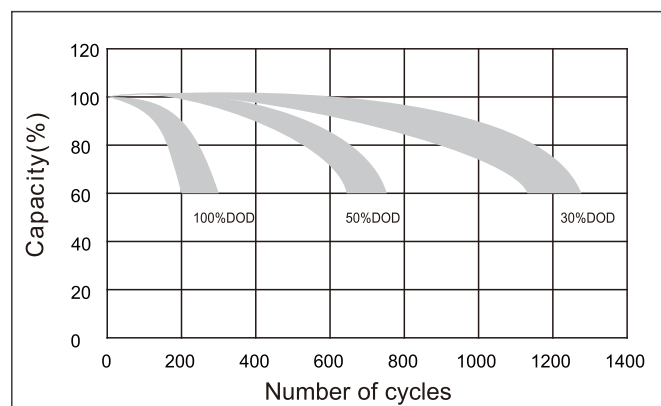
Charging characteristic



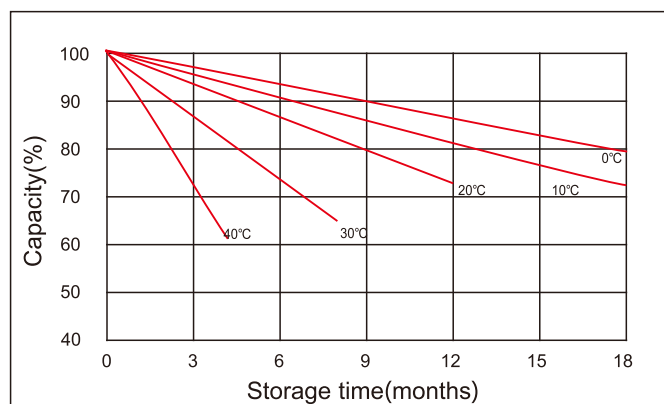
The effect of temperature on capacity



The effect of discharge depth on cycle life



Curves of self-discharge



The effect of temperature on float life

