

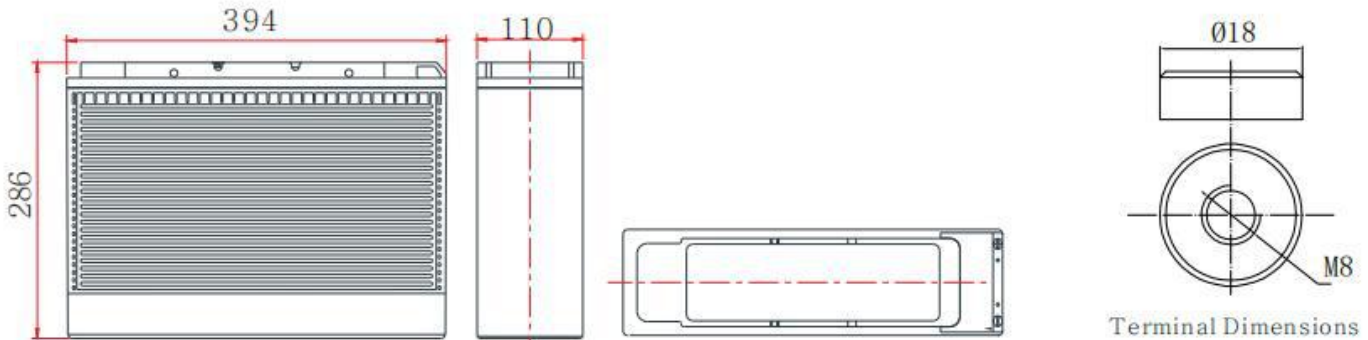
General Features

- ▶ Narrow structure and front terminal design, suitable for 19-inch and 23-inch standard cabinets
- ▶ High corrosion resistant performance: Pb-Ca multi-alloy grid
- ▶ Excellent charge acceptance ability
- ▶ Excellent deep cycle discharge capability
- ▶ Strong high and low temperature performance
- ▶ Precision sealing technology
- ▶ Long life



Dimension: 394(L) × 110(W) × 286(H) × 286(TH)

Unit: mm



Specification	
Nominal Voltage	12V
Nominal Capacity	100Ah
Design life	12 years
Terminal	M8
Approx. Weight	Approx 31.0kg (68.3lbs)
Container Material	ABS
short-circuit current	1714A
Internal resistance(Full charged at 25°C:)	7.0 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. 25A;Recom.10.0A
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 799-2010

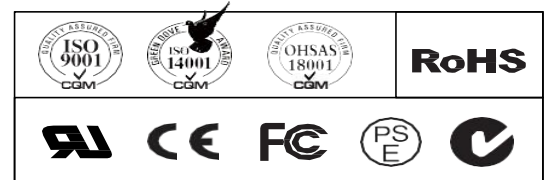
Applications

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

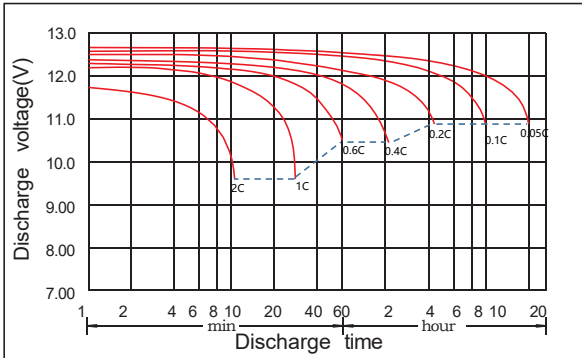
Rated Capacity

10Hour Rate (10.0A to 10.8V)	100.0Ah
3Hour Rate (25.9A to 10.2V)	77.7Ah
1Hour Rate (63.7A to 9.6V)	63.7Ah

Attain Certificate



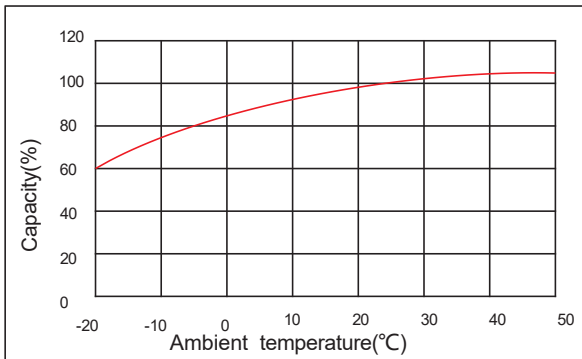
Discharge characteristic



Charging characteristic



The effect of temperature on capacity



The effect of temperature on float 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	234	197	165	100	78.4	63.7	40.0	36.6	26.6	19.2	17.8	14.2	11.7	10.4	5.46
1.65V	227	196	161	98.4	77.4	62.6	39.6	36.4	26.3	19.0	17.6	14.1	11.6	10.3	5.34
1.70V	218	195	157	96.3	76.3	61.6	39.4	36.1	25.9	18.9	17.5	13.9	11.5	10.2	5.23
1.75V	201	192	152	95.3	75.3	60.5	38.9	35.6	25.6	18.7	17.3	13.8	11.4	10.1	5.12
1.80V	179	187	142	91.1	74.2	59.5	38.5	34.9	25.4	18.5	16.8	13.7	11.3	10.0	5.01
1.85V	161	174	126	83.7	68.4	55.8	37.5	33.2	23.9	17.9	15.9	13.3	10.8	9.68	4.88

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	393	334	291	181	145	122	78.0	71.0	50.5	37.1	33.8	27.6	22.7	20.0	10.6
1.65V	378	332	286	180	144	119	77.2	70.6	49.8	36.7	33.6	27.3	22.6	19.9	10.4
1.70V	376	329	283	179	143	118	76.8	70.0	49.6	36.5	33.3	27.1	22.5	19.6	10.1
1.75V	351	326	281	178	141	116	75.8	68.9	49.3	36.1	33.2	26.8	22.3	19.4	9.95
1.80V	322	324	265	175	140	114	75.1	67.9	49.1	35.8	32.8	26.5	22.1	19.2	9.76
1.85V	287	303	237	160	130	108	73.7	65.0	46.7	35.2	31.3	26.0	21.3	18.9	9.52