

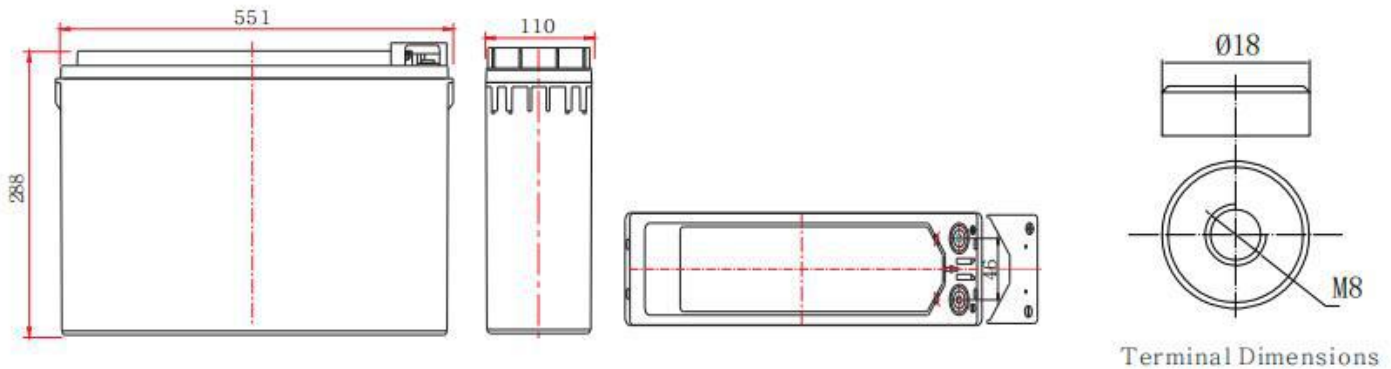
General Features

- ▶ 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: 551(L) × 110(W) × 288(H) × 288(TH)

Unit: mm



Terminal Dimensions

Specification	
Nominal Voltage	12V
Nominal Capacity	130Ah
Design life	12 years
Terminal	M8
Approx. Weight	Approx 39.5kg (87.1lbs)
Container Material	ABS
short-circuit current	1846A
Internal resistance(Full charged at 25°C:)	6.5 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. 32.5A; Recom. 13.0A
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

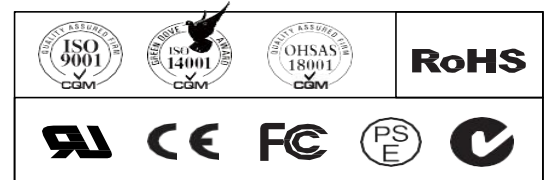
Applications

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

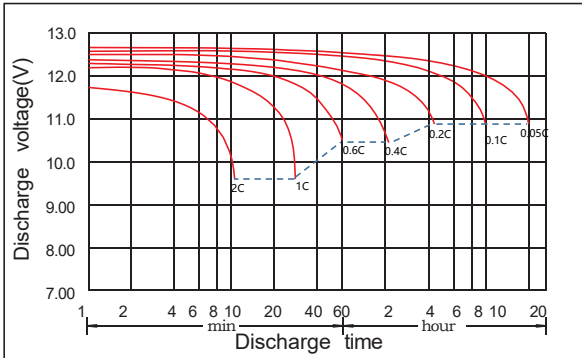
Rated Capacity

10Hour Rate (13.0A to 10.8V)	130.0Ah
3Hour Rate (33.2A to 10.2V)	99.6Ah
1Hour Rate (77.6A to 9.6V)	77.6Ah

Attain Certificate



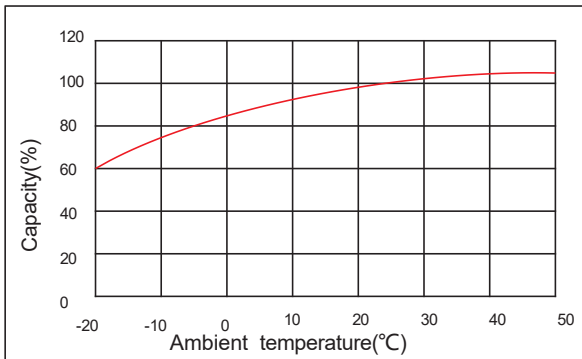
Discharge characteristic



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	293	247	200	130	102	77.6	52.0	47.5	34.0	25.0	23.2	18.5	15.2	13.5	7.09
1.65V	284	245	194	128	101	76.3	51.5	47.3	33.6	24.8	22.9	18.3	15.1	13.4	6.95
1.70V	273	243	190	125	99.2	75.1	51.2	46.9	33.2	24.5	22.7	18.1	14.9	13.3	6.80
1.75V	251	240	184	124	97.9	73.7	50.6	46.3	32.9	24.3	22.5	17.9	14.8	13.1	6.66
1.80V	224	234	172	119	96.5	72.5	50.1	45.3	32.6	24.0	21.8	17.8	14.7	13.0	6.51
1.85V	201	217	153	109	88.9	68.0	48.7	43.1	30.7	23.3	20.7	17.3	14.1	12.6	6.35

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	498	432	359	234	189	148	101	92.2	66.0	48.4	45.0	36.1	29.5	26.4	13.9
1.65V	483	429	350	230	186	146	100	91.8	65.2	48.0	44.4	35.7	29.4	26.2	13.6
1.70V	464	425	343	225	184	143	99.3	90.9	64.4	47.6	44.0	35.1	29.1	26.0	13.3
1.75V	427	420	331	223	181	141	98.3	89.7	63.8	47.2	43.5	34.7	28.9	25.6	13.0
1.80V	381	410	309	213	179	138	97.2	88.0	63.2	46.6	42.4	34.5	28.6	25.4	12.8
1.85V	344	382	277	198	165	131	94.9	84.0	59.8	45.4	40.4	33.7	27.7	24.7	12.5