

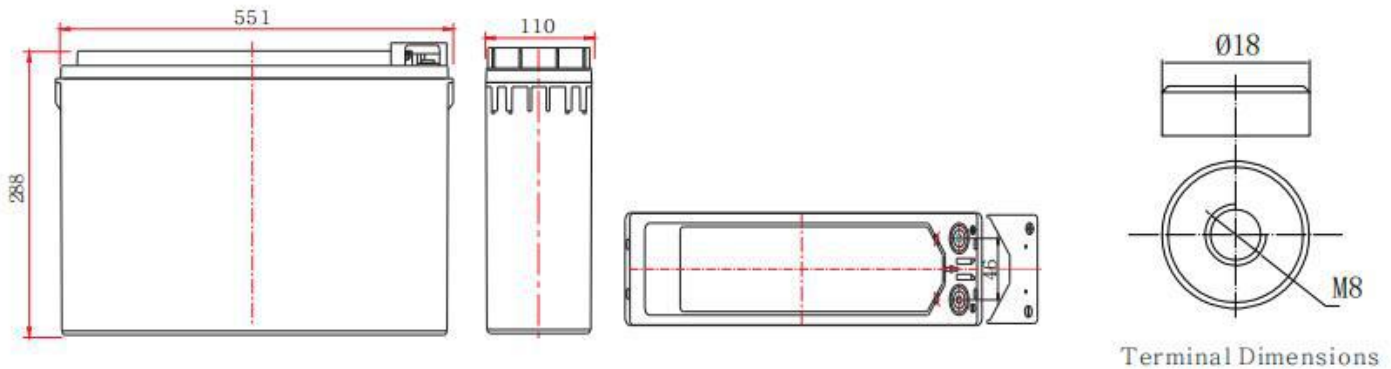
General Features

- ▶ 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	150Ah
Design life	12 years
Terminal	M8
Approx. Weight	Approx. 44.5kg (98.1lbs)
Container Material	ABS
short-circuit current	2222A
Internal resistance(Full charged at 25°C:)	5.4 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. 37.5A; Recom. 15.0A
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

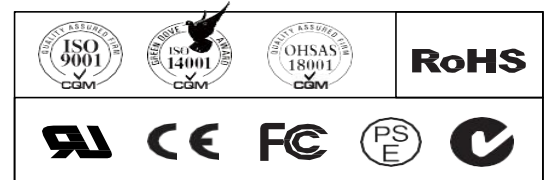
Applications

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

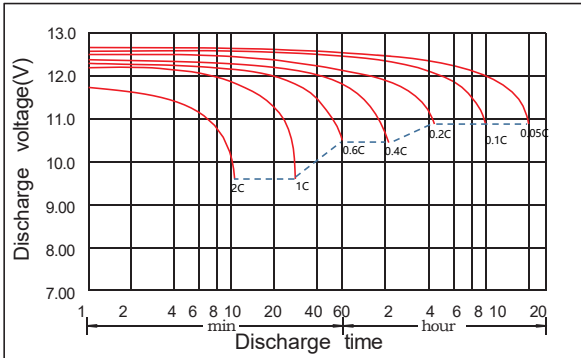
Rated Capacity

10Hour Rate (15.0A to 10.8V)	150.0Ah
3Hour Rate (38.4A to 10.2V)	115.2Ah
1Hour Rate (94.4A to 9.6V)	94.4Ah

Attain Certificate



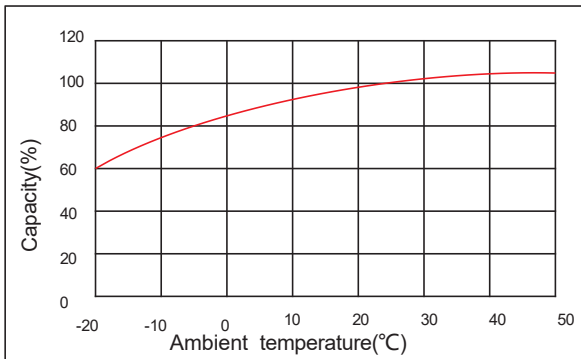
Discharge characteristic



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	347	293	244	148	116	94.4	59.3	54.2	39.4	28.5	26.4	21.1	17.3	15.5	8.16
1.65V	337	291	238	146	115	92.8	58.7	53.9	38.9	28.2	26.1	20.8	17.2	15.3	7.99
1.70V	324	289	233	143	113	91.3	57.7	53.5	38.4	28.0	25.9	20.7	17.0	15.2	7.82
1.75V	298	285	225	141	112	89.7	57.1	52.7	38.0	27.7	25.6	20.4	16.8	15.1	7.66
1.80V	266	278	210	135	110	88.1	57.1	51.7	37.7	27.4	24.9	20.3	16.7	15.0	7.48
1.85V	238	257	186	124	101	82.7	55.5	49.1	35.5	26.6	23.6	19.7	16.1	14.4	7.30

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	583	495	431	268	215	180	116	106	74.9	54.9	50.1	40.9	33.7	29.8	15.8
1.65V	560	491	424	267	213	177	115	105	73.9	54.3	49.8	40.4	33.5	29.6	15.5
1.70V	557	488	419	265	211	175	114	104	73.5	54.0	49.4	40.1	33.3	29.1	15.2
1.75V	519	484	417	264	209	172	112	102	73.1	53.4	49.1	39.6	33.0	28.9	14.9
1.80V	477	480	393	259	207	169	111	101	72.8	53.1	48.6	39.3	32.8	28.6	14.6
1.85V	426	449	352	237	193	161	109	96.3	69.2	52.1	46.3	38.5	31.6	28.1	14.2