

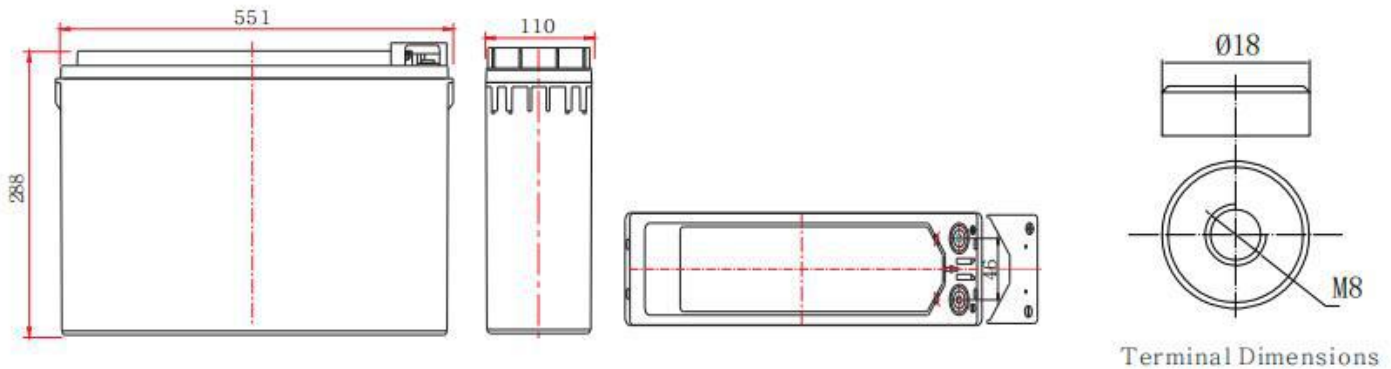
General Features

- ▶ 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	125Ah
Design life	12 years
Terminal	M8
Approx. Weight	Approx. 40.0kg (88.2lbs)
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. 31.2A; Recom. 12.5A
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

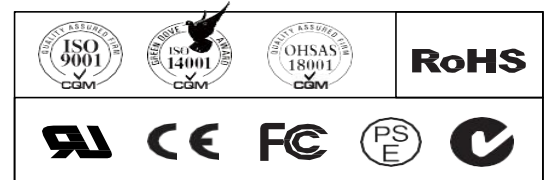
Applications

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

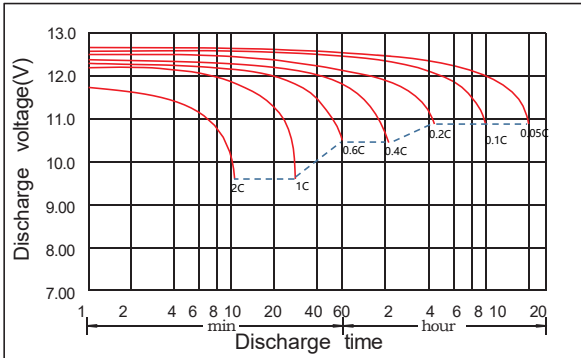
Rated Capacity

10Hour Rate (12.5A to 10.8V)	125.0Ah
3Hour Rate (31.9A to 10.2V)	95.7Ah
1Hour Rate (74.6A to 9.6V)	74.6Ah

Attain Certificate



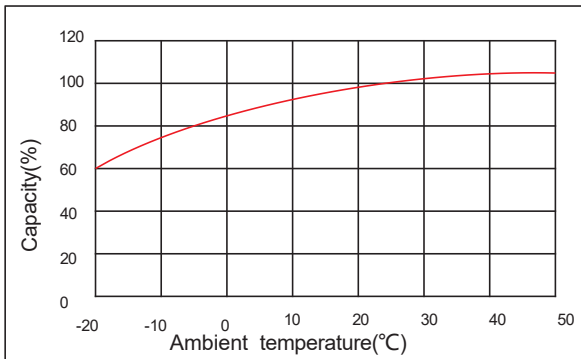
Discharge characteristic



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	192	125	98.0	74.6	50.0	45.7	32.7	24.0	22.3	17.8	14.6	13.0	6.82
1.65V	284	245	187	123	96.7	73.4	49.5	45.5	32.3	23.8	22.0	17.6	14.5	12.9	6.68
1.70V	273	243	183	120	95.4	72.2	49.2	45.1	31.9	23.6	21.8	17.4	14.3	12.8	6.54
1.75V	251	240	177	119	94.1	70.9	48.7	44.5	31.6	23.4	21.6	17.2	14.2	12.6	6.40
1.80V	224	234	165	114	92.8	69.7	48.2	43.6	31.3	23.1	21.0	17.1	14.1	12.5	6.26
1.85V	201	217	147	105	85.5	65.4	46.8	41.4	29.5	22.4	19.9	16.6	13.6	12.1	6.11

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	491	418	339	226	181	142	97.5	88.7	62.2	46.3	42.2	34.5	28.4	25.0	13.2
1.65V	472	414	334	225	180	140	96.5	88.2	61.3	45.8	42.0	34.1	28.2	24.9	13.0
1.70V	470	411	329	224	178	139	96.0	87.5	61.1	45.6	41.6	33.8	28.1	24.5	12.7
1.75V	438	408	327	222	176	136	94.7	86.2	60.8	45.1	41.4	33.4	27.8	24.3	12.4
1.80V	403	405	309	218	175	134	93.9	84.9	60.5	44.8	41.0	33.2	27.6	24.0	12.2
1.85V	359	378	277	200	163	127	92.1	81.2	57.5	44.0	39.1	32.5	26.6	23.6	11.9