

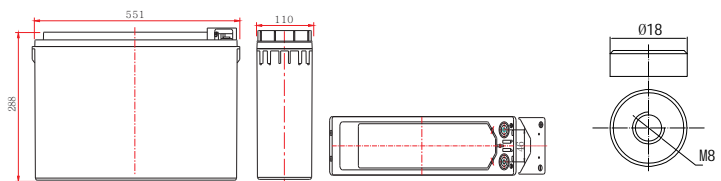


General Features

- › 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

Applications

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

Specification

Nominal Voltage	12V
Nominal Capacity	130Ah
Design life	12 years
Terminal	M8
Approx. Weight	Approx 39.5kg(87.1lbs)
Container Material	ABS
Rated Capacity	130.0Ah 10Hour Rate (13.0A to 10.8V)
	99.6Ah 3Hour Rate (33.2A to 10.2V)
	77.6Ah 1Hour Rate (77.6A to 9.60V)
Internal resistance	Full charged at 25°C: 6.5 mΩ
Max. Discharge Current	1560A(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. 32.5A ; Recom.13.0A
Charge Method (25 °C)	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)
Self discharge	3% of capacity declined per month at 25°C

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

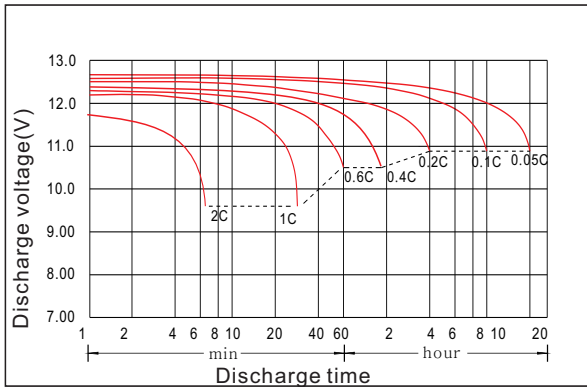
FV/Time	5min	10min	15min	30min	45min	1h	1.5h	2h	3h	4h	5h	6h	8h	10h	20h
1.60V	293	247	200	130	102	77.6	52.0	47.5	34.0	25.0	23.2	18.5	15.2	13.5	7.09
1.65V	284	245	194	128	101	76.3	51.5	47.3	33.6	24.8	22.9	18.3	15.1	13.4	6.95
1.70V	273	243	190	125	99.2	75.1	51.2	46.9	33.2	24.5	22.7	18.1	14.9	13.3	6.80
1.75V	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)

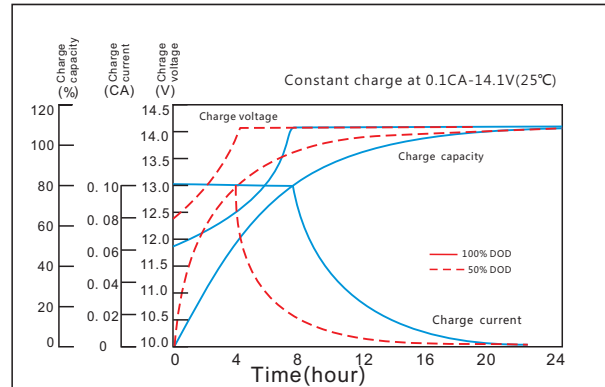
FV/Time	5min	10min	15min	30min	45min	1h	1.5h	2h	3h	4h	5h	6h	8h	10h	20h
1.60V	498	432	359	234	189	148	101	92.2	66.0	48.4	45.0	36.1	29.5	26.4	13.9
1.65V	483	429	350	230	186	146	100	91.8	65.2	48.0	44.4	35.7	29.4	26.2	13.6
1.70V	464	425	343	225	184	143	99.3	90.9	64.4	47.6	44.0	35.1	29.1	26.0	13.3
1.75V	427	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

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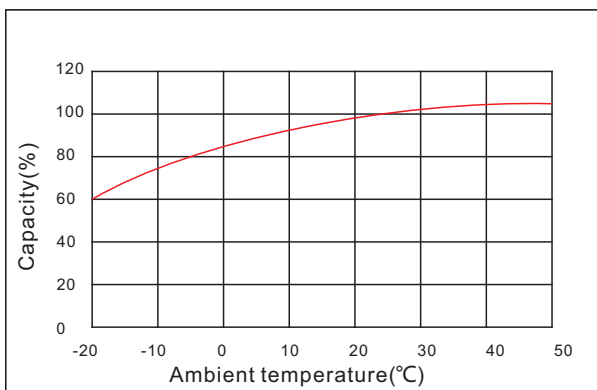
Discharge characteristic



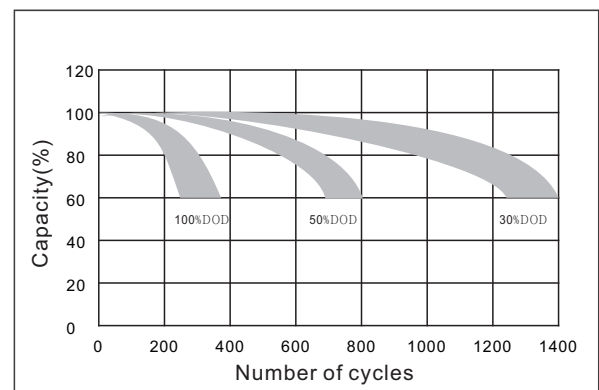
Charging characteristic



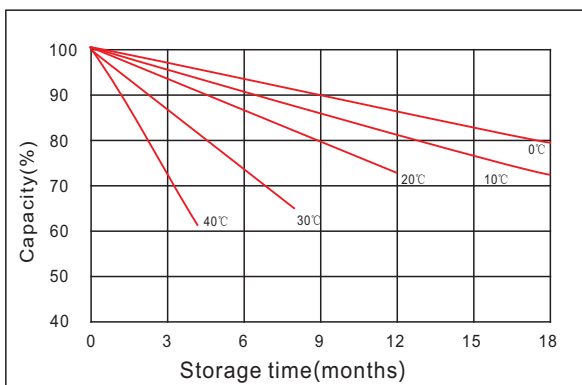
The effect of temperature on capacity



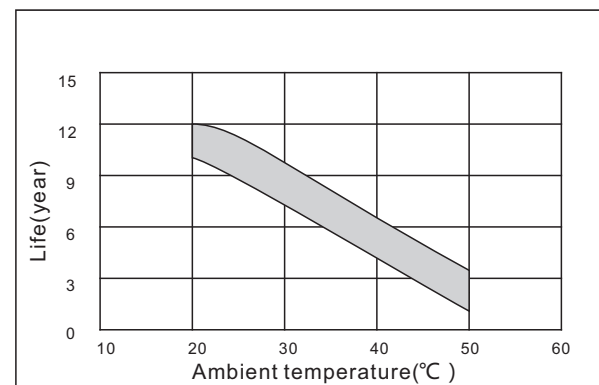
The effect of discharge depth on cycle life



Curves of self-discharge



The effect of temperature on float life



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