

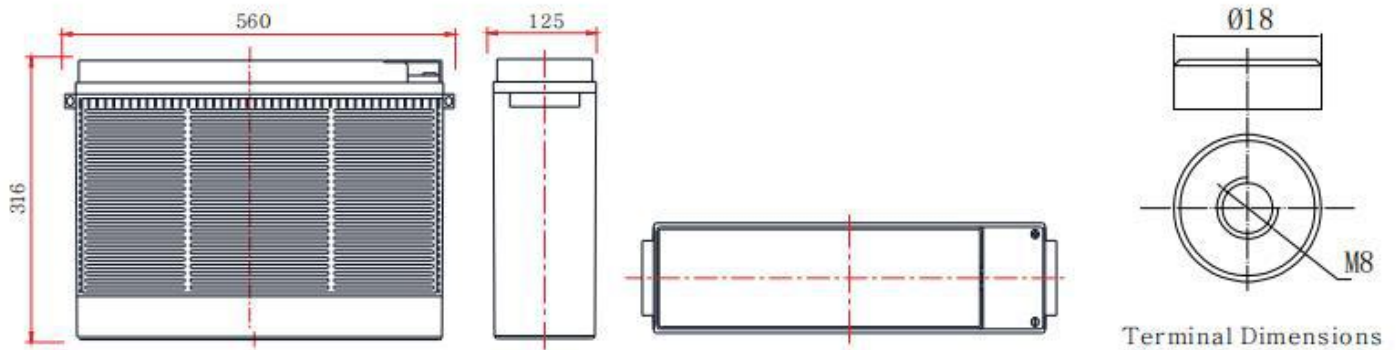
General Features

- ▶ 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: 560(L) × 125(W) × 316(H) × 316(TH)

Unit: mm



Specification	
Nominal Voltage	12V
Nominal Capacity	175Ah
Design life	12 years
Terminal	M8
Approx. Weight	Approx. 50.5kg (111.3lbs)
Container Material	ABS
short-circuit current	2181A
Internal resistance(Full charged at 25°C:)	5.5 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. 43.75A; Recom. 17.5A
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

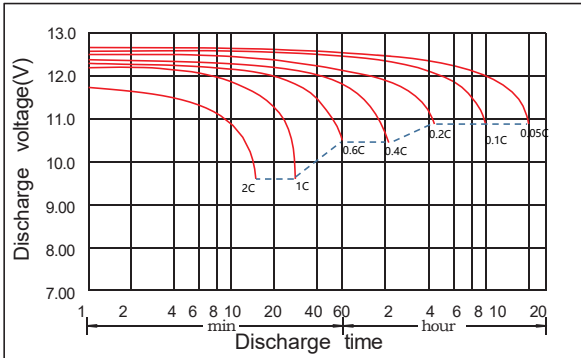
10Hour Rate (17.5A to 10.8V)	175.0Ah
3Hour Rate (45.3A to 10.2V)	135.9Ah
1Hour Rate (111A to 9.6V)	111.0Ah

Attain Certificate



Disclaimer: Manufacturers have the right to self-modify the parameters of the product updates, please keep in touch with manufacturers to obtain the latest information.

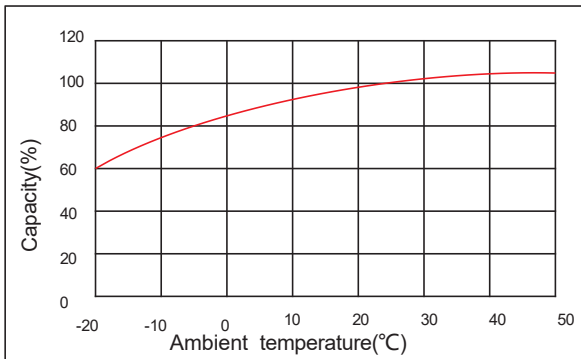
Discharge characteristic



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	268	246	233	175	137	111	70.0	64.0	46.5	33.6	31.2	24.9	20.4	18.2	9.55
1.65V	263	240	227	172	135	110	69.3	63.6	46.0	33.3	30.9	24.6	20.3	18.1	9.35
1.70V	253	233	223	169	134	108	68.9	63.2	45.3	33.1	30.6	24.4	20.1	17.9	9.16
1.75V	233	220	215	167	132	106	68.2	62.3	44.9	32.7	30.2	24.1	19.9	17.7	8.96
1.80V	208	200	200	159	130	104	67.4	61.1	44.5	32.3	29.4	23.9	19.7	17.5	8.76
1.85V	186	178	178	146	120	97.6	65.6	58.0	41.9	31.4	27.9	23.2	19.0	16.9	8.55

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	455	430	420	317	253	213	137	125	88.4	64.9	59.1	48.2	39.8	35.0	18.5
1.65V	448	421	409	315	251	209	135	124	87.2	64.2	58.9	47.7	39.5	34.8	18.1
1.70V	430	408	401	313	250	207	134	123	86.8	63.8	58.3	47.4	39.3	34.3	17.8
1.75V	396	384	388	311	247	203	133	121	86.3	63.1	58.0	46.8	39.0	34.0	17.4
1.80V	353	350	361	306	245	200	131	119	85.9	62.7	57.4	46.5	38.7	33.6	17.1
1.85V	318	314	322	280	228	190	129	114	81.7	61.6	54.7	45.5	37.3	33.1	16.7