

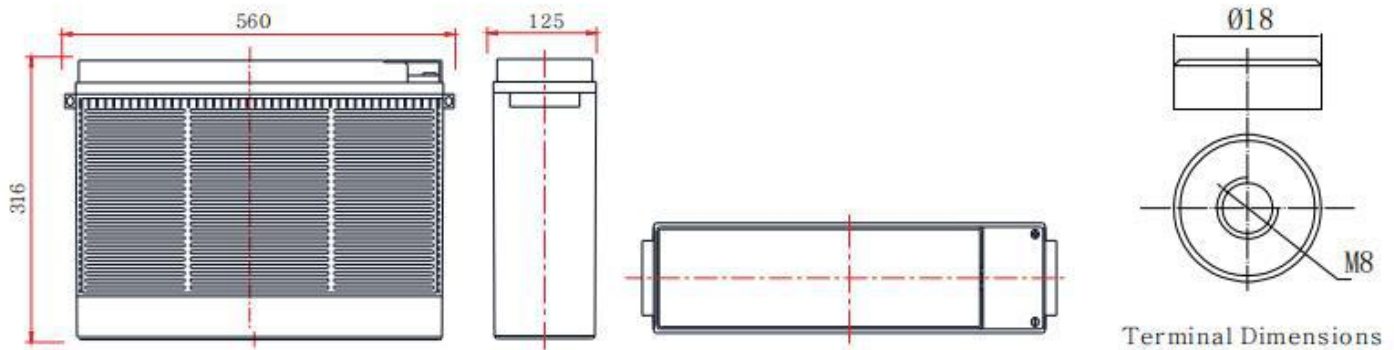
## General Features

- ▶ 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	190Ah
Design life	12 years
Terminal	M8
Approx. Weight	Approx 53.5kg (118lbs)
Container Material	ABS
short-circuit current	2400A
Internal resistance(Full charged at 25°C: )	5.0 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. 47.5A; Recom. 19.0A
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

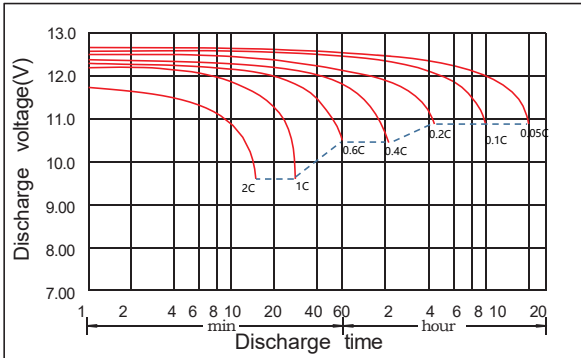
## Rated Capacity

10Hour Rate (19.0A to 10.8V)	190.0Ah
3Hour Rate (49.2A to 10.2V)	147.6Ah
1Hour Rate (121A to 9.6V)	121.0Ah

## Attain Certificate



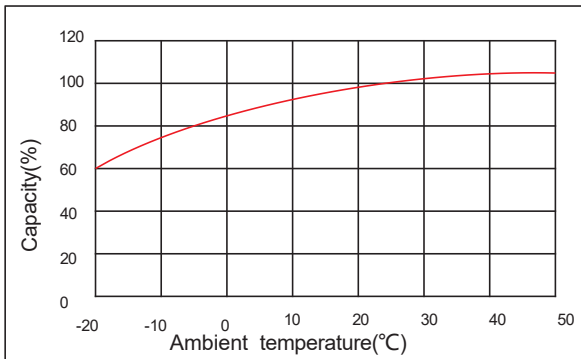
## Discharge characteristic



## 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	291	267	253	190	149	121	76.0	69.5	50.5	36.5	33.9	27.0	22.2	19.8	10.4
1.65V	286	261	247	187	147	119	75.2	69.1	49.9	36.1	33.5	26.7	22.0	19.6	10.2
1.70V	275	253	242	183	145	117	74.8	68.6	49.2	35.9	33.2	26.5	21.8	19.4	9.94
1.75V	253	238	234	181	143	115	74.0	67.6	48.7	35.5	32.8	26.2	21.6	19.2	9.73
1.80V	226	217	218	173	141	113	73.2	66.3	48.3	35.1	31.9	26.0	21.4	19.0	9.51
1.85V	202	194	193	159	130	106	71.2	63.0	45.5	34.1	30.3	25.2	20.6	18.4	9.28

### 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	494	467	456	344	275	231	148	135	96.0	70.4	64.2	52.4	43.2	38.0	20.1
1.65V	486	457	444	342	273	227	147	134	94.7	69.7	63.9	51.8	42.9	37.8	19.7
1.70V	467	443	435	340	271	225	146	133	94.2	69.3	63.3	51.4	42.7	37.2	19.3
1.75V	430	417	421	338	268	221	144	131	93.7	68.5	63.0	50.8	42.3	36.9	18.9
1.80V	384	380	392	332	266	217	143	129	93.3	68.1	62.3	50.4	42.0	36.5	18.5
1.85V	345	341	350	304	247	206	140	123	88.7	66.8	59.4	49.4	40.5	35.9	18.1