

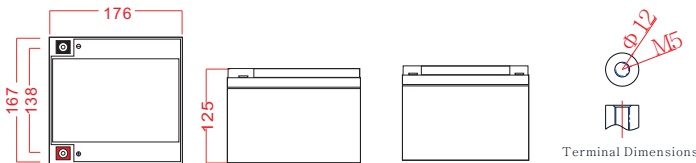


### General Features

- Nanosilica colloidal electrolyte and high tin positive plate alloy design to enhance battery performance
- Relatively rich electrolyte, high temperature and low temperature performance is superior
- Long cycle life, excellent deep cycle discharge ability
- Excellent charge acceptance ability
- Precision sealing technology
- Long life



Dimension: 167(L)×176(W)×125(H)×125(TH) Unit: mm



### Applications

- Electric vehicle / Golf trolley and golf cart
- Lawn mowers / Wheelchairs
- Electric toys/ Electric tools
- Lawn mowers / Sweeper
- illumination light
- Other general purpose

### Specification

Nominal Voltage	12V
Nominal Capacity	26Ah
Design life	10 years
Terminal	M5
Approx. Weight	Approx 7.7kg (17.0lbs)
Container Material	ABS
Rated Capacity	<b>26.0Ah</b> 20Hour Rate (1.30A to 10.5V)
	<b>20.1Ah</b> 3Hour Rate (6.69A to 10.5V)
	<b>17.0Ah</b> 1Hour Rate (17.0A to 9.60V)
Internal resistance	Full charged at 25°C: 15 mΩ
Max. Discharge Current	390A(5S)
Operating Temperature	Discharge: -40 ~60°C(-40~ 140°F)
	Charge: -20 ~50°C(-4~ 122°F)
	Storage: -20 ~50°C(-4~ 122°F)
Charge current:	Max. 6.50A ; Recom.2.60A
Charge Method (25 °C)	Float Charge:13.5-13.8V,recom.13.5V(-18mV/ °C)
	Equalize charge:13.8-14.1V,recom.14.1V(-24mV/ °C)
	Cycle charge:14.4-15.0V,recom.14.4V(-30mV/ °C)
Self discharge	3% of capacity declined per month at 25°C

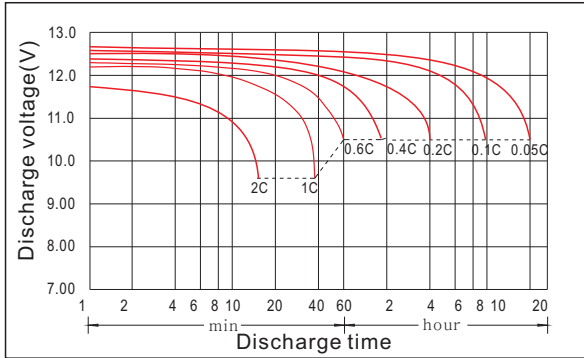
### Constant Current Discharge Characteristics Unit: A (25°C, 77°F)

F.V/Time	5min	10min	15min	30min	1h	2h	3h	4h	5h	8h	10h	20h
1.60V	101	66.1	49.8	32.6	17.0	9.74	7.11	5.71	4.84	3.19	2.59	1.38
1.65V	100	63.1	45.6	30.9	16.0	9.35	6.90	5.51	4.73	3.14	2.55	1.36
1.70V	82.1	59.7	42.5	30.0	15.4	9.15	6.80	5.25	4.68	3.09	2.51	1.33
1.75V	76.4	56.4	39.5	29.3	14.9	8.96	6.69	5.15	4.48	3.01	2.45	1.30
1.80V	70.3	53.5	36.8	28.3	14.4	8.72	6.33	5.05	4.31	2.93	2.42	1.25

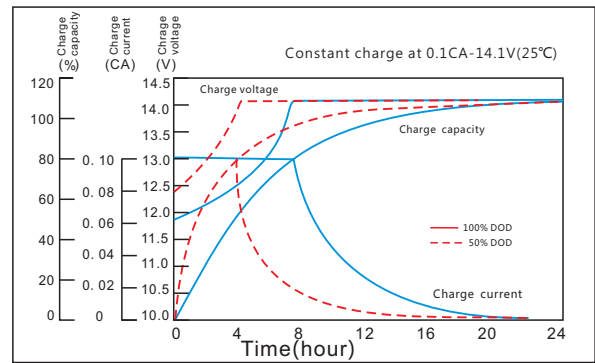
### Constant Power Discharge Characteristics Unit: W/cell (25°C, 77°F)

F.V/Time	5min	10min	15min	30min	1h	2h	3h	4h	5h	8h	10h	20h
1.60V	190	119	91.2	55.0	31.3	18.2	13.4	10.8	9.16	6.02	5.02	2.75
1.65V	175	112	85.3	54.4	29.2	17.5	13.0	10.4	8.95	5.92	4.92	2.66
1.70V	160	109	81.4	54.7	28.3	17.2	12.8	9.90	8.69	5.87	4.88	2.64
1.75V	145	106	78.8	54.2	27.5	16.8	12.7	9.75	8.54	5.61	4.77	2.60
1.80V	130	102	75.2	53.4	27.1	16.7	12.3	9.65	8.34	5.45	4.67	2.58

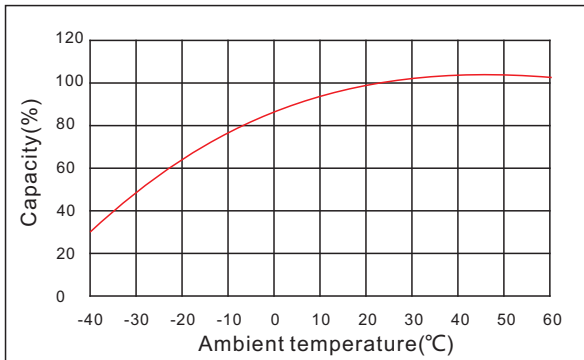
Discharge characteristic



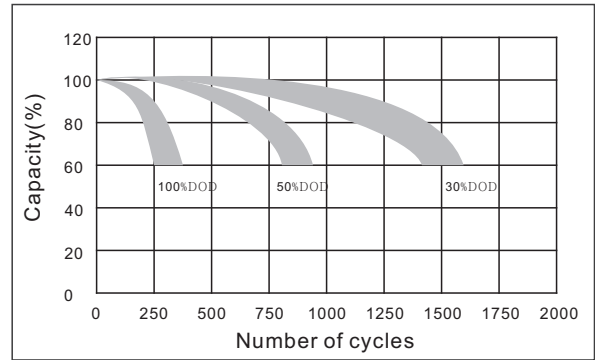
Charging characteristic



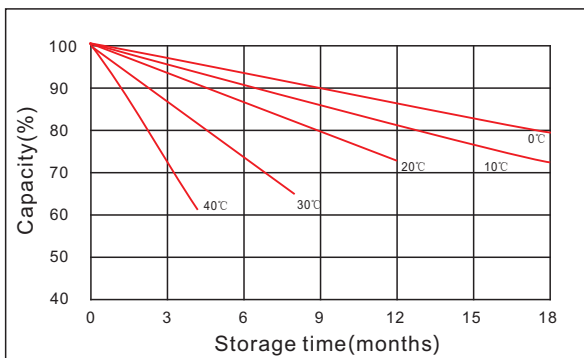
The effect of temperature on capacity



The effect of discharge depth on cycle life



Curves of self-discharge



Curves of open circuit voltage vs. capacity

