



APPLICATIONS

- Solar / wind energy and other new energy storage
- UPS/EPS – Power Systems, Telecommunication Systems
- Electric Vehicles, golf cars, mobility scooters, sweepers, cleaning machines
- Emergency lighting, Auto control system

GENERAL FEATURES

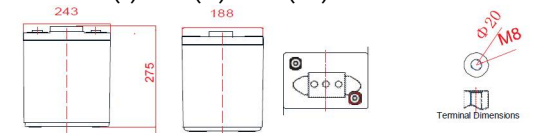
- Nanosilica colloidal electrolyte and high tin positive plate alloy design to enhance battery performance
- Relatively rich electrolyte, high temperature and low temperature performance is superior
- Long cycle life, excellent deep cycle discharge ability
- Excellent charge acceptance ability
- Precision sealing technology
- Long life 12 years

SPECIFICATIONS

Nominal Voltage	6V
Nominal Capacity	225Ah
Design life	12 years
Terminal	M8
Approx. Weight	Approx 31.5kg (69.5lbs)
Container Material	ABS
Rated Capacity	225.0Ah 10Hour Rate (22.5A to 5.40V)
	182Ah 3Hour Rate (60.5A to 5.40V)
	147Ah 1Hour Rate (147A to 5.25V)
Internal resistance	Full charged at 25°C: 1.8 mΩ
Max. Discharge Current	2700A(5S)



Dimension: 243(L) × 188(W) × 275(TH) Unit: mm



Operating Temperature
 Discharge: -40 ~ 60°C (-40 ~ 140°F)
 Charge: -20 ~ 50°C (-4 ~ 122°F)
 Storage: -20 ~ 50°C (-4 ~ 122°F)

Charge method (25°C)
 Charge current: Max. 56.3A ; Recom. 22.5A
 Float Charge: 6.75-6.90V, recom. 6.75V (-9mV/°C)
 Equalize charge: 6.90-7.05V, recom. 7.05V (-12mV/°C)
 Cycle charge: 7.20-7.50V, recom. 7.20V (-15mV/°C)

Self discharge
 3% of capacity declined per month at 25°C

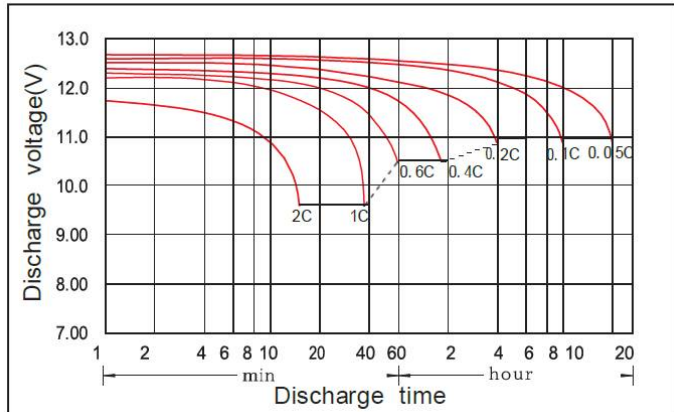
Constant Current Discharge Characteristics Unit: A (25°C, 77°F)

FV/Time	15min	30min	1h	2h	3h	5h	8h	10h	20h
1.60V	425	259	152	86.9	63.0	42.5	27.8	23.4	12.3
1.65V	413	255	150	86.3	62.4	41.9	27.6	23.2	12.2
1.70V	405	250	150	85.8	61.6	41.3	27.3	23.0	12.2
1.75V	391	248	147	84.4	60.8	41.1	27.1	22.7	12.1
1.80V	366	237	143	83.0	60.5	39.9	26.9	22.5	12.0
1.85V	326	217	133	78.8	56.8	38.0	25.8	21.8	11.8

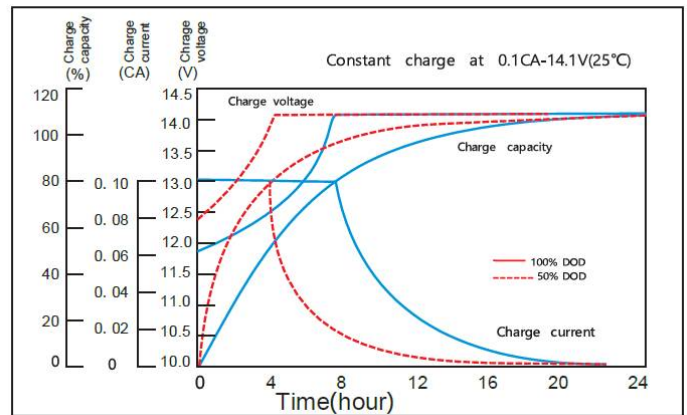
Constant Power Discharge Characteristics Unit: W/cell (25°C, 77°F)

FV/Time	15min	30min	1h	2h	3h	5h	8h	10h	20h
1.60V	751	470	287	164	120	80.2	54.0	45.0	24.3
1.65V	737	464	284	164	118	79.9	53.4	44.4	24.2
1.70V	728	464	281	163	118	79.0	53.4	44.2	24.1
1.75V	723	461	280	162	117	78.8	52.9	43.6	24.0
1.80V	683	450	278	162	117	77.9	52.6	43.3	23.9
1.85V	610	413	258	155	111	74.3	50.6	42.5	23.6

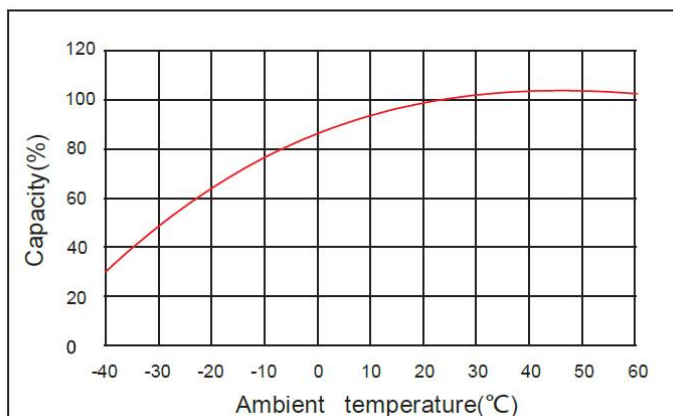
Discharge characteristic



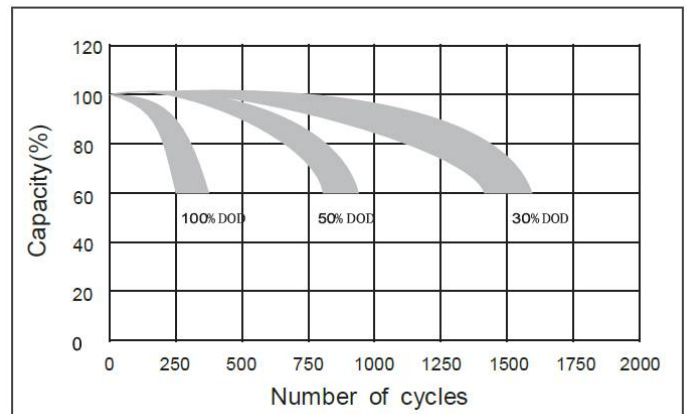
Charging characteristic



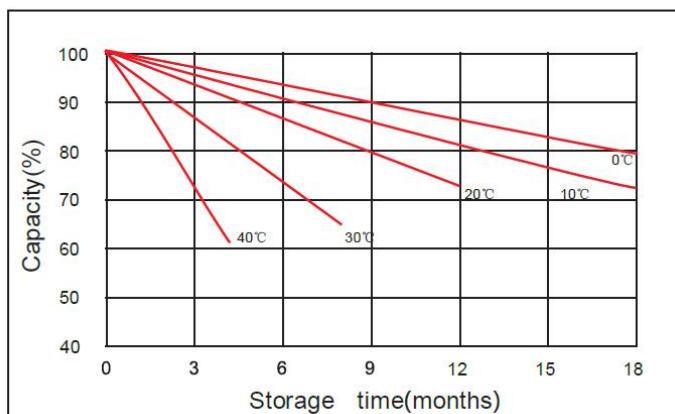
The effect of temperature on capacity



The effect of discharge depth on cycle life



Curves of self-discharge



Curves of open circuit voltage vs. capacity

