

Specifications

Nominal Voltage	12V
Number of cell	6
Nominal Capacity	200Ah@10hr-rate (20.0A to 1.80V/cell @25°C)
Weight	Approx.59Kg
Terminal	M8,Φ20
Container Material	ABS (UL94-HB), Flammability resistance of UL94-V1 can be available upon request.
Rated Capacity	206Ah 20hr-rate (10.3A to 1.80V/cell @25°C) 200Ah 10hr-rate (20.0A to 1.80V/cell @25°C) 172Ah 5hr-rate (34.4A to 1.75V/cell @25°C) 130Ah 1hr-rate (130A to 1.60V/cell @25°C)
Max. Discharge Current	2000A(5sec)
Internal Resistance	Approx.4.2 mΩ(Fully charged)
Operating Temp. Range	Discharge: -20 °C~50 °C Charge : -10°C~50°C Storage : -10°C~40°C
Cycle Use	Charging Current: ≤60.0A Voltage:14.6V ~14.8V Temperature compensation:-30mV/°C
Standby Use	Charging Current:No limit Voltage:13.6V ~13.8V Temperature compensation:-20mV/°C
Self-Discharge	less than 3% at 25C
Design Life	12 years (floating charge)

Main Advantages

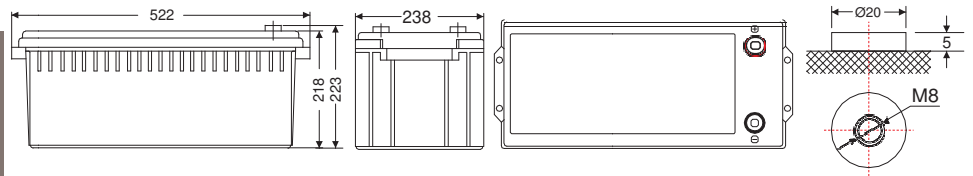
- >> Nano GEL technology
- >> excellent deep cycle discharge performance
- >> thick plate to ensure longer life cycles
- >> high power density
- >> Strong recovery ability from deep discharge
- >> 12 years design life

Applications

- >> Solar Power and Wind Power
- >> Telecom Power and DC Power
- >> Electric Power System
- >> Electronic instruments
- >> Standby power such as Data center or UPS
- >> Military system

Dimension

Length	522±1mm (20.47 inches)
Width	238±1mm (9.45 inches)
Height	218±1mm (8.62 inches)
Total Height	223±1mm (8.82 inches)



Unit: mm

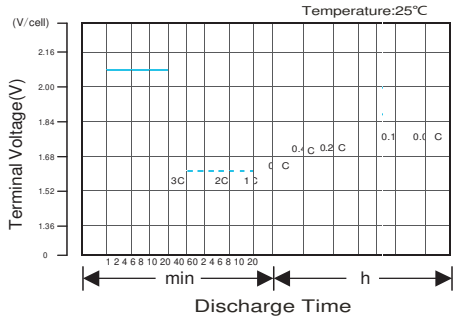
Constant Current Discharge Characteristics: A (25°C)

F. V/Time	5min	10min	15min	30min	1h	2h	3h	4h	5h	8h	10h	20h
1.60V/cell	626.9	449.2	355.7	223.1	130.0	72.62	52.20	43.20	35.36	24.84	21.01	11.11
1.65V/cell	610.1	427.4	348.4	219.4	129.4	72.07	52.00	43.00	35.15	24.64	20.80	10.91
1.70V/cell	574.9	412.3	342.9	217.5	128.2	71.53	51.60	42.80	34.94	24.44	20.60	10.70
1.75V/cell	516.3	380.5	326.5	212.0	127.0	70.98	51.40	42.40	34.53	24.24	20.40	10.50
1.80V/cell	480.4	347.0	301.0	202.7	124.0	69.71	50.00	41.40	33.90	23.83	20.20	10.30
1.85V/cell	418.2	310.1	270.0	189.9	117.8	66.61	47.80	39.40	32.45	22.82	19.59	9.695

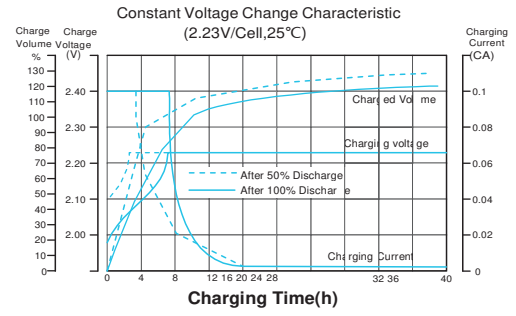
Constant Power Discharge Characteristics: W (25 °C)

F. V/Time	5min	10min	15min	30min	1h	2h	3h	4h	5h	8h	10h	20h
1.60V/cell	5971	4501	3751	2466	1487	835.4	602.4	499.2	409.3	288.3	236.2	124.8
1.65V/cell	5849	4299	3673	2435	1480	832.1	601.2	498.0	406.8	287.1	233.8	123.6
1.70V/cell	5521	4156	3623	2407	1469	824.5	597.6	495.6	405.6	284.7	232.6	122.3
1.75V/cell	4971	3840	3455	2352	1454	816.8	594.0	492.0	401.9	282.2	230.1	121.1
1.80V/cell	4610	3487	3174	2245	1418	804.8	579.6	478.8	395.6	276.2	227.7	119.9
1.85V/cell	3980	3096	2834	2103	1344	767.7	550.8	456.0	375.6	266.5	220.5	115.1

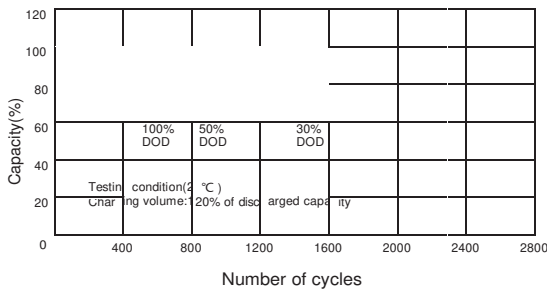
Discharge Characteristics Curve



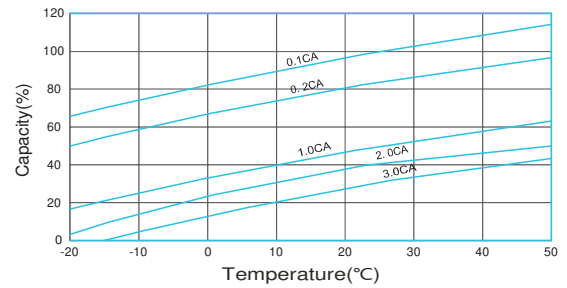
Charging Characteristics Curve



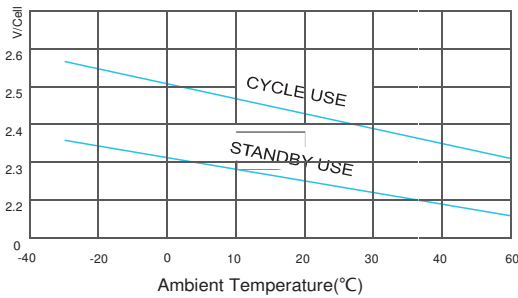
Cycle life in relation to depth of Discharge



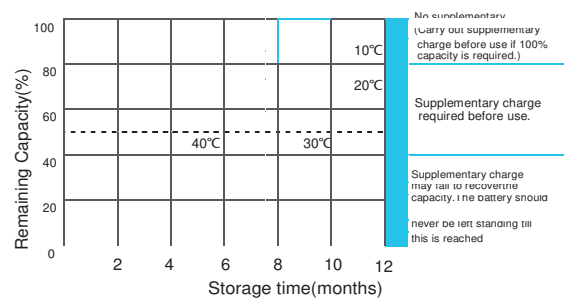
Temperature effects on Capacity



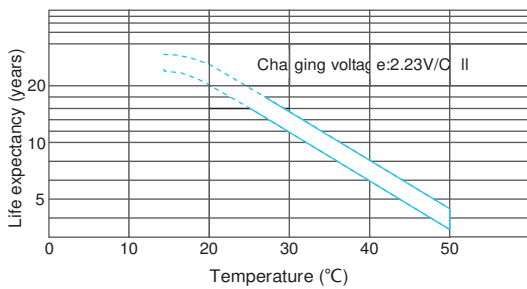
Relationship between charging voltage and temperature



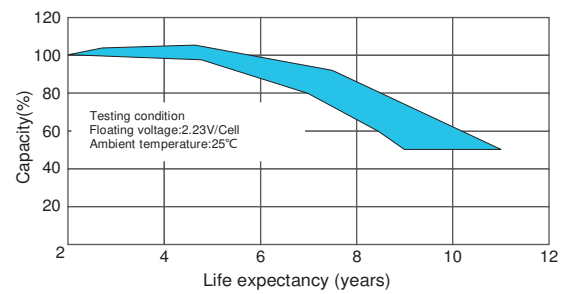
Self-discharge Characteristics



Temperature effects on Float life



Life Characteristics of Standby use



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