Koyama® Solar Gel Battery NPS200-12

GENERAL FEATURES

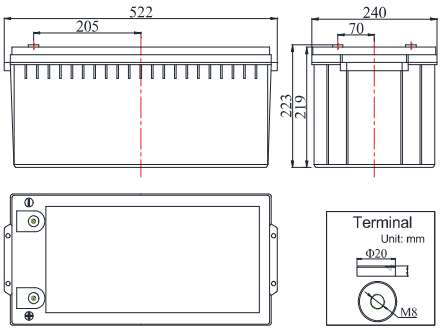
- Deep cycle design ,high energy density
- Hybrid gel technology,longer cyclic life
  better thermal stability
- High Reliability and Good Quality
- Ideal for repeat cycling daily use
- Lower self-discharge
- Long Service Life, in Float or Cyclic

APPLICAITONS

- Solar & Wind energy system
- Signal installations of the air, sea, road and railway transport
- Radio relay stations of telecommunications
- Cellular roadside and roof top transmission stations
- Street & garden lighting
- Hybrid power supplies

DIMENSION & WEIGHT

Length(mm)	522±1
Width(mm)	240±1
Height(mm)	219±1
Total Height(mm)	223±1
Weight(KGS)	60.7±3%



COMPLIED STANDARDS

IEC60896-21/22	JISC8704
YD/T1360	BS6290 Part 4
GB/T 19638	UL1989

TECHNICAL SPECIFICATIONS

MH61865

Nominal Voltage		12V(6cells per unit)
Design Floating Life @25°C		12 Years
Nominal Capacity @25°C(10 hour rate@20.0A,10.80V)		200.0Ah
Capacity @25°C	100 hour rate(2.30A,10.8V) 20 hour rate(10.50A,10.8V) 5 hour rate (34.9A,10.5V) 1 hour rate (121.5A,9.6V)	230.0Ah 210.0Ah 174.5Ah 121.5Ah
	Full Charged Battery@25°C	≤5.5mΩ
Ambient Temperature	Discharge Charge Store	-30°C~60°C -30°C~60°C -30°C~60°C
	Max. Discharge Current @25°C	2000A(5s)
Capacity affected by Temperature (10 Hour Capacity)	40°C 25°C 0°C -15°C	108% 100% 90% 70%
	Self-Discharge@25°C per Month	3%
Charge (Constant Voltage) @25°C	Standby Use	Initial Charging Current Less than 40A Voltage 13.6-13.8V
	Cycle Use	Initial Charging Current Less than 40A Voltage 14.4-14.9V

BATTERY DISCHARGE TABLE

Discharge Constant Current per Cell (Amperes at 25°C)

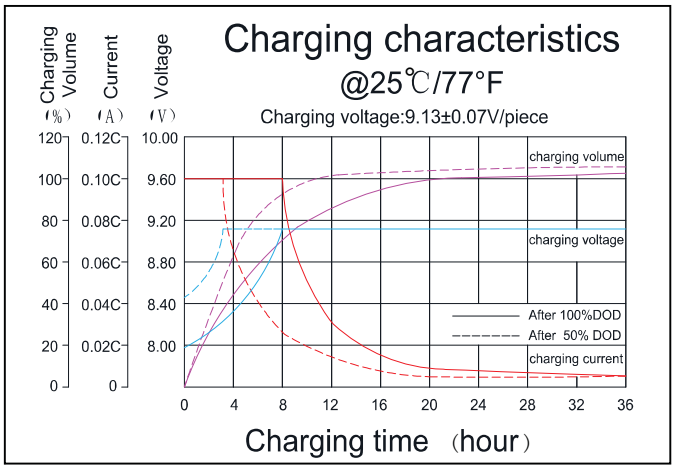
F.V/Time	15min	20min	30min	45min	1h	2h	3h	4h	5h	8h	10h	20h	48h	100h
1.80V/cell	252.2	207.9	158.4	123.5	99.2	65.2	48.8	39.7	33.6	23.5	20.0	10.5	4.65	2.30
1.75V/cell	279.8	227.7	170.4	132.0	107.0	68.3	51.5	41.5	34.9	24.2	20.4	10.7	4.73	2.32
1.70V/cell	305.7	248.7	187.2	137.9	113.0	72.0	54.0	43.2	36.3	25.1	21.1	10.9	4.78	2.35
1.65V/cell	323.7	262.5	197.2	146.4	116.9	74.5	56.0	44.7	37.6	25.7	21.5	11.2	4.87	2.39
1.60V/cell	354.8	285.0	209.6	151.7	121.5	77.6	57.9	46.1	38.9	26.4	22.0	11.5	4.95	2.41

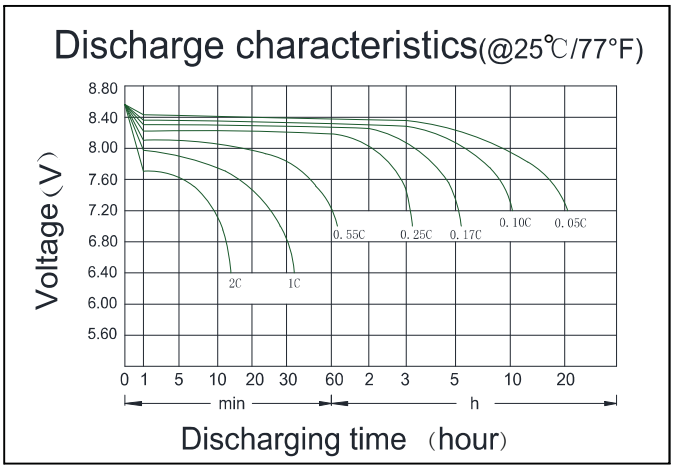
Discharge Constant Power per Cell (Watts at 25°C)

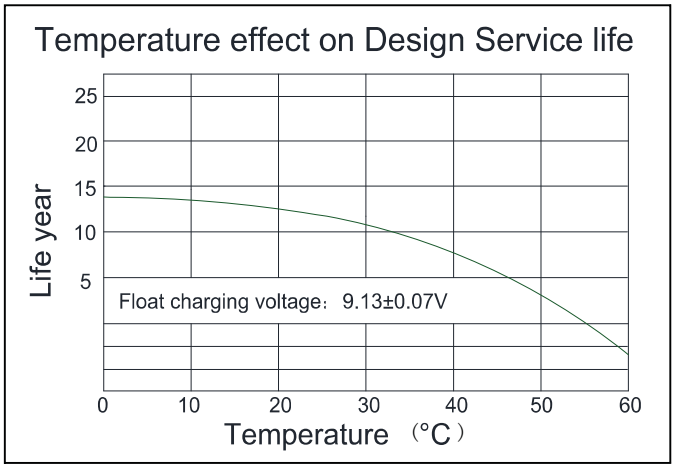
F.V/Time	15min	20min	30min	45min	1h	2h	3h	4h	5h	8h	10h	20h	48h	100h
1.80V/cell	466.8	388.2	298.9	235.7	191.3	126.4	95.0	77.6	65.9	46.4	39.7	20.9	9.28	4.59
1.75V/cell	511.5	421.2	318.9	250.7	205.4	131.9	100.0	80.8	68.2	47.7	40.5	21.3	9.41	4.62
1.70V/cell	551.1	456.6	348.4	260.8	216.2	138.7	104.6	84.1	70.9	49.5	41.8	21.7	9.51	4.68
1.65V/cell	581.4	480.1	365.5	275.7	222.9	143.1	108.2	86.8	73.2	50.7	42.7	22.2	9.67	4.74
1.60V/cell	624.3	513.7	384.2	283.0	229.6	147.9	111.1	89.1	75.4	51.9	43.5	22.7	9.83	4.78

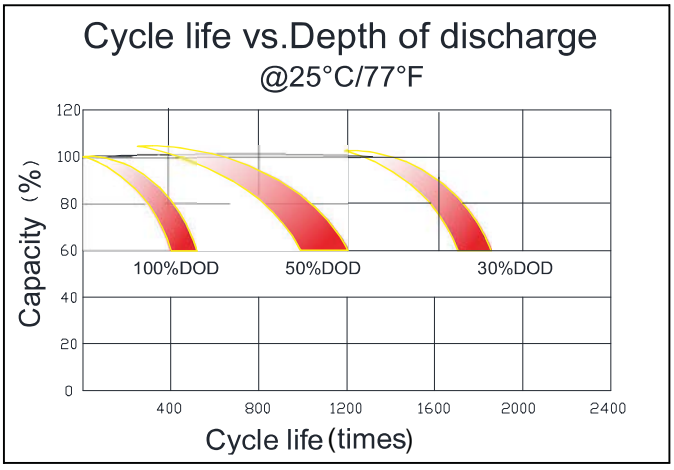
Note: The above data are average values, and can be obtained within 3 charge/discharge cycles. These are not minimum values. Cell and battery designs/specifications are subject to modification without notice. Contact **CBB** for the latest information

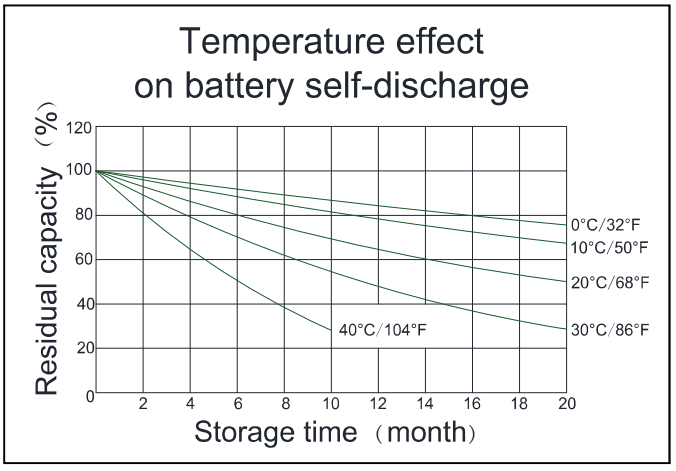
PERFORMANCE CHARACTERISTICS

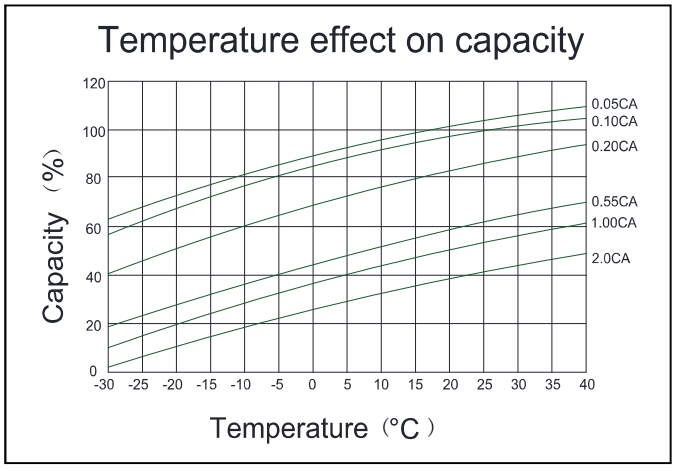












BATTERY CONSTRUCTION

Component	Positive plate	Negative plate	Container &Cover	Safety valve	Terminal	Separator	Electrolyte	Pillar seal
Features	Thick high Sn low Ca grid with special paste	Balanced Pb-Ca grid for improved recombination efficiency	ABS (UL94-V0 optional)	Flame Si-Rubbeand aging resistancer	Female Copper Insert M8(torque:7 ~9N.m)	Advanced AGM separator for high pressure cell design	Dilute high purity sulphuric acid	Two layers epoxy resin seal

CBB Battery Technology Co.,Ltd.
RM 504,55 Hanxing Zhong Road,Zhongcun,Panyu,Guangzhou 511495,Guangdong,China
Tel:0086-20-84888946 Fax:0086-20-62824569

Koyama®
www.cbb-battery.com