

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

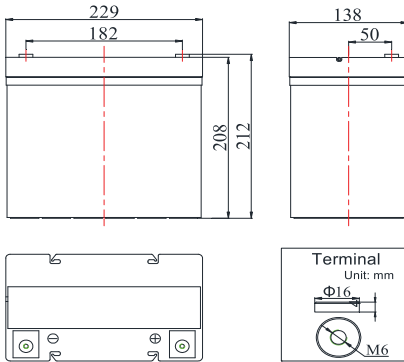
APPLICAITONS

- 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)	229±1
Width(mm)	138±1
Height(mm)	208±1
Total Height(mm)	212±1
Weight(KGS)	16.3±3%



COMPLIED STANDARDS

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

TECHNICAL SPECIFICATIONS



Nominal Voltage		12V(6cells per unit)
Design Floating Life @25°C		12 Years
Nominal Capacity @25°C(10 hour rate@5.0A,10.80V)		50.00Ah
Capacity @25°C	100 hour rate(0.57A,10.8V)	57.00Ah
	20 hour rate(2.63A,10.8V)	52.60Ah
	5 hour rate (8.73A,10.5V)	43.65Ah
	1 hour rate (30.4A,9.6V)	30.40Ah
Full Charged Battery@25°C		≤8.0mΩ
Ambient Temperature	Discharge	-30°C~60°C
	Charge	-30°C~60°C
	Store	-30°C~60°C
Max. Discharge Current @25°C		500A(5s)
Capacity affected by Temperature (10 Hour Capacity)	40°C	108%
	25°C	100%
	0°C	90%
	-15°C	70%
Self-Discharge@25°C per Month		3%
Charge (Constant Voltage) @25°C	Standby Use	Initial Charging Current Less than 12.5A Voltage 13.6-13.8V
	Cycle Use	Initial Charging Current Less than 12.5A Voltage 14.4-14.9V

BATTERY DISCHARGE TABLE

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

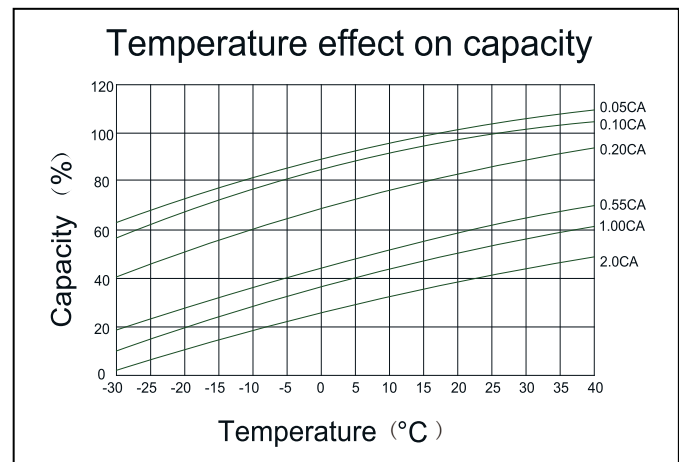
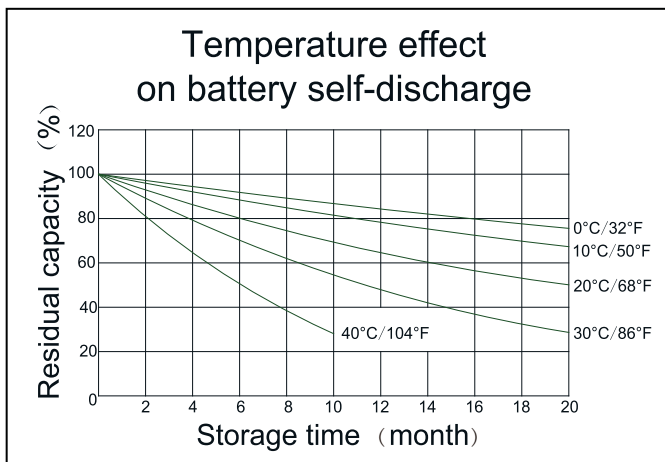
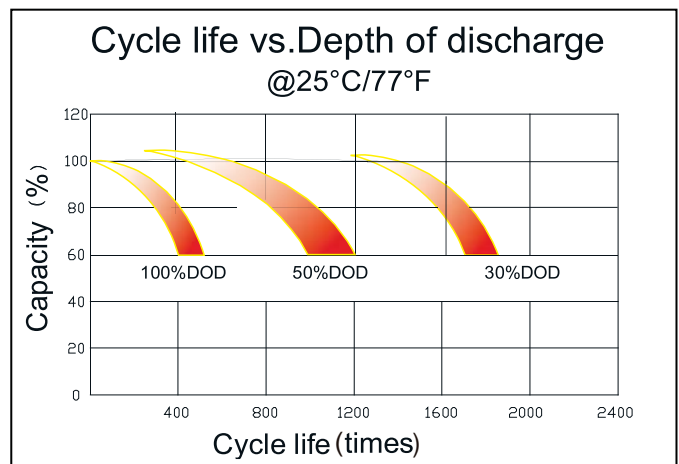
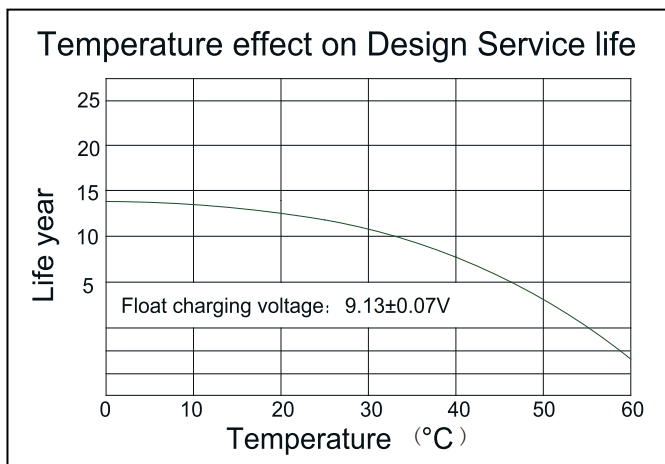
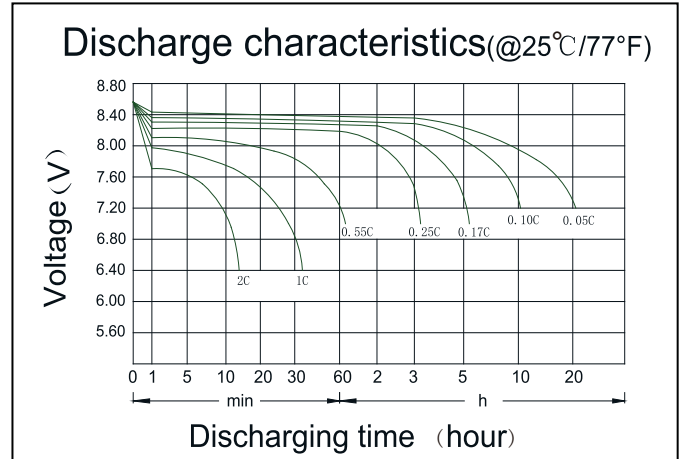
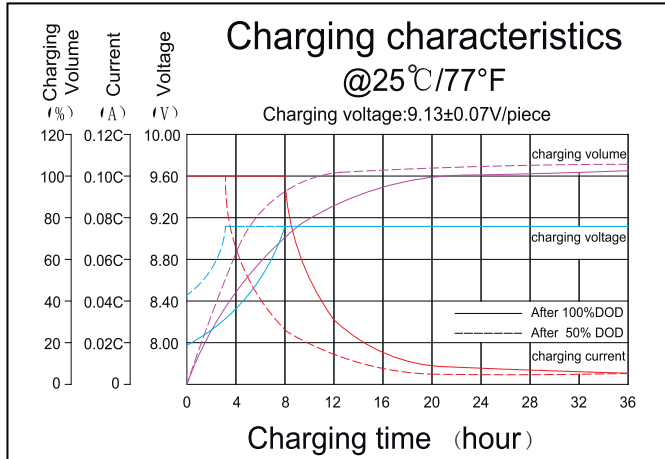
F.V/Time	15min	20min	30min	45min	1h	2h	3h	4h	5h	8h	10h	20h	48h	100h
1.80V/cell	63.1	51.97	39.6	30.9	24.8	16.3	12.2	9.93	8.41	5.87	5.00	2.63	1.16	0.575
1.75V/cell	69.9	56.9	42.6	33.0	26.7	17.1	12.9	10.4	8.73	6.04	5.11	2.68	1.18	0.580
1.70V/cell	76.4	62.2	46.8	34.5	28.3	18.0	13.5	10.8	9.08	6.27	5.27	2.73	1.20	0.588
1.65V/cell	80.9	65.6	49.3	36.6	29.2	18.6	14.0	11.2	9.40	6.43	5.39	2.80	1.22	0.597
1.60V/cell	88.7	71.3	52.4	37.9	30.4	19.4	14.5	11.5	9.73	6.61	5.51	2.86	1.24	0.602

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	116.7	97.0	74.7	58.9	47.8	31.6	23.8	19.4	16.5	11.6	9.93	5.22	2.32	1.148
1.75V/cell	127.9	105.3	79.7	62.7	51.3	33.0	25.0	20.2	17.1	11.9	10.1	5.32	2.35	1.156
1.70V/cell	137.8	114.1	87.1	65.2	54.1	34.7	26.1	21.0	17.7	12.4	10.4	5.42	2.38	1.170
1.65V/cell	145.3	120.0	91.4	68.9	55.7	35.8	27.1	21.7	18.3	12.7	10.7	5.55	2.42	1.186
1.60V/cell	156.1	128.4	96.0	70.7	57.4	37.0	27.8	22.3	18.9	13.0	10.9	5.67	2.46	1.195

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