

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

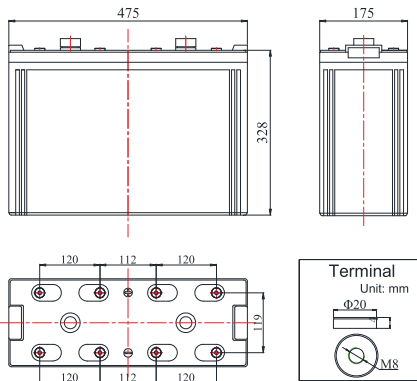
APPLICAITONS

- 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)	475±1
Width(mm)	175±1
Height(mm)	328±1
Total Height(mm)	365±1
Weight(KGS)	62.3±3%



COMPLIED STANDARDS

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

TECHNICAL SPECIFICATIONS



Nominal Voltage		2V (1 cell per unit)
Design Floating Life @25°C		18 Years
Nominal Capacity @25°C(10 hour rate@100.0A,1.8V)		1000.0Ah
Capacity @25°C	100 hour rate(11.50A,1.8V)	1150.0Ah
	20 hour rate(53.5A,1.8V)	1070.0Ah
	5 hour rate (182.6A,1.75V)	913.0Ah
	1 hour rate (588.0A,1.6V)	588.0Ah
Full Charged Battery@25°C		≤0.45mΩ
Ambient Temperature	Discharge	-30°C~60°C
	Charge	-30°C~60°C
	Store	-30°C~60°C
Max. Discharge Current @25°C		5000A(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 150A Voltage 2.23-2.27V
	Cycle Use	Initial Charging Current Less than 150A Voltage 2.33-2.37V

BATTERY DISCHARGE TABLE

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

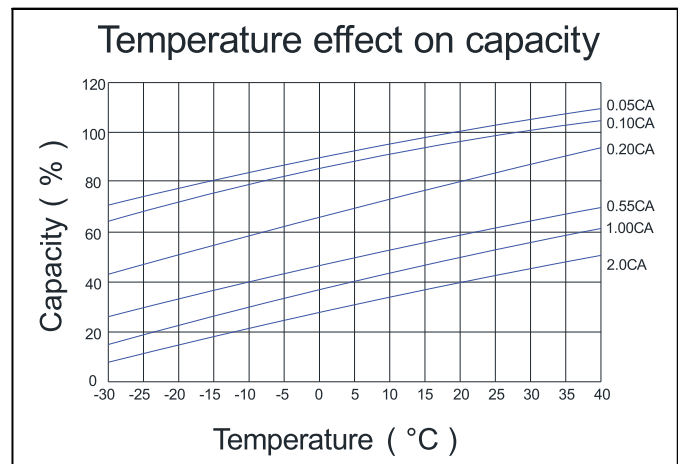
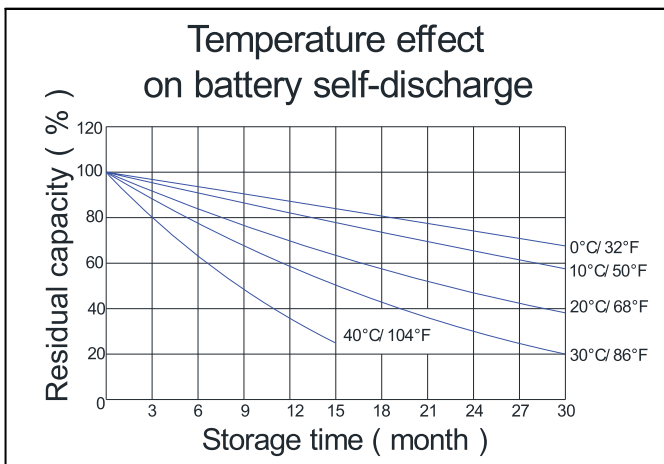
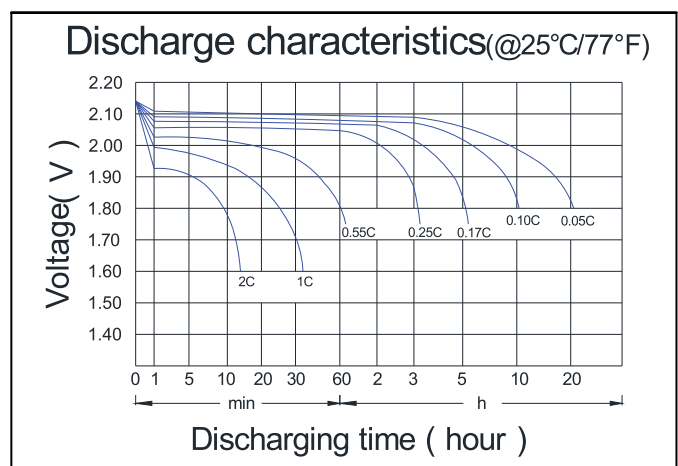
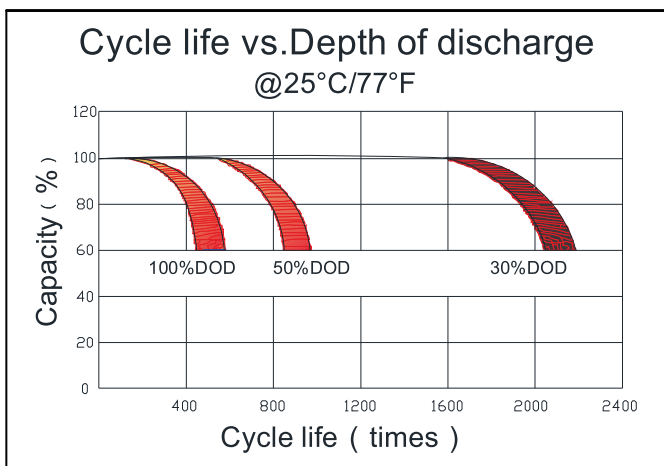
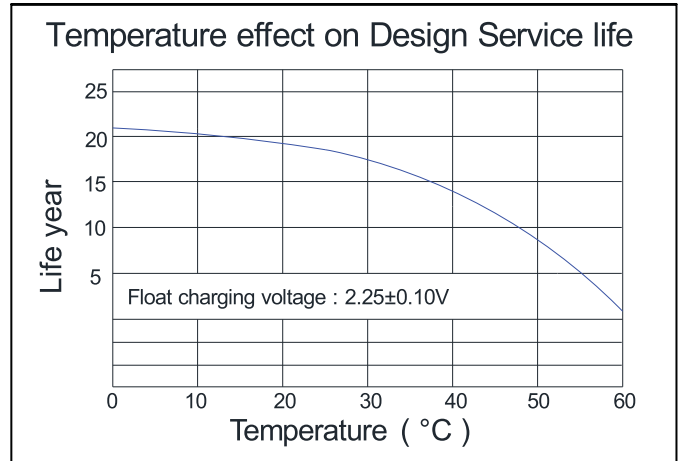
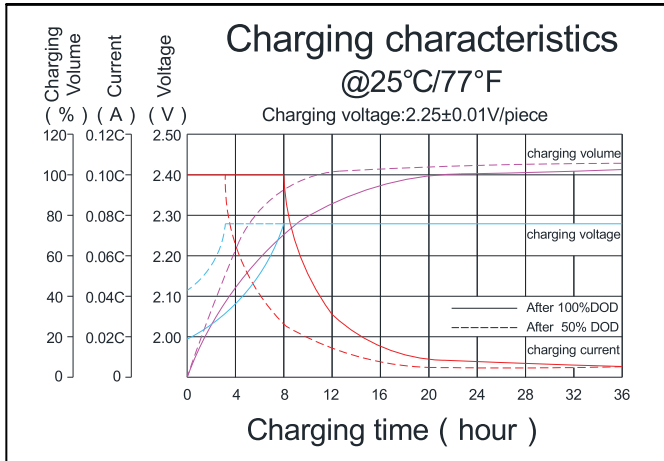
F.v/time	30min	45min	1h	2h	3h	4h	5h	8h	10h	20h	48h	100h
1.80V/cell	787.5	612.7	513.6	318.5	244.3	200.7	170.5	120.2	100.0	53.5	23.3	11.5
1.75V/cell	833.9	644.3	535.9	330.5	252.7	207.6	175.7	122.4	101.5	53.8	23.6	11.6
1.70V/cell	875.0	668.5	554.6	340.5	259.3	212.1	178.8	124.3	102.6	54.4	23.9	11.8
1.65V/cell	917.8	697.7	574.5	348.5	265.7	216.6	182.6	126.1	104.1	55.2	24.2	11.9
1.60V/cell	949.1	716.2	588.0	356.0	270.3	219.7	185.2	127.8	105.5	55.8	24.5	12.0

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

F.V/Time	30min	45min	1h	2h	3h	4h	5h	8h	10h	20h	48h	100h
1.80V/cell	1492.8	1170.3	987.8	616.6	475.3	392.4	334.4	237.7	198.6	106.4	46.3	22.9
1.75V/cell	1568.8	1223.4	1026.2	637.2	490.2	404.3	343.5	241.7	201.3	106.7	47.0	23.1
1.70V/cell	1632.3	1260.6	1056.5	653.8	501.2	411.5	348.4	245.2	203.4	107.9	47.4	23.4
1.65V/cell	1699.5	1308.1	1088.1	666.3	511.2	418.9	354.6	248.1	206.0	109.4	48.0	23.6
1.60V/cell	1739.7	1330.3	1105.9	676.4	517.5	422.9	358.3	250.8	208.4	110.3	48.4	23.8

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