

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

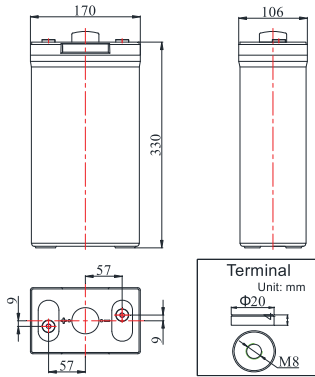
APPLICAITONS

- 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)	170±1
Width(mm)	106±1
Height(mm)	330±1
Total Height(mm)	367±1
Weight(KGS)	13.1±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@20.0A,1.8V)		200.0Ah
Capacity @25°C	100 hour rate(2.3A,1.8V)	230.0Ah
	20 hour rate(10.7A,1.8V)	214.0Ah
	5 hour rate (35.1A,1.75V)	210.6Ah
	1 hour rate (117.6A,1.6V)	117.6Ah
Full Charged Battery@25°C		≤0.9mΩ
Ambient Temperature	Discharge	-30°C~60°C
	Charge	-30°C~60°C
	Store	-30°C~60°C
Max. Discharge Current @25°C		1000A(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 30A Voltage 2.23-2.27V
	Cycle Use	Initial Charging Current Less than 30A Voltage 2.33-2.37V

BATTERY DISCHARGE TABLE

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

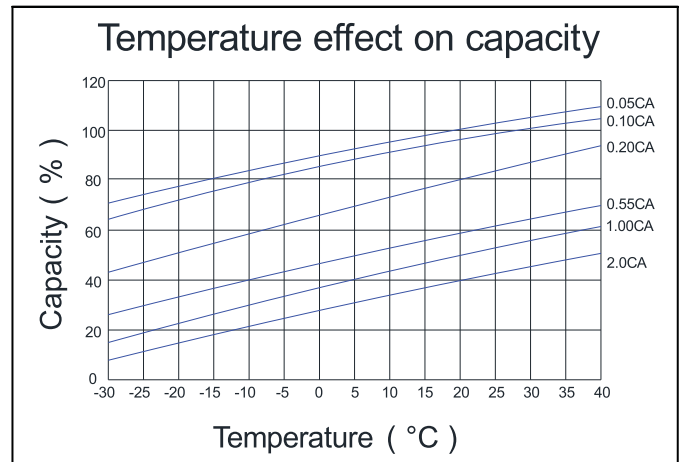
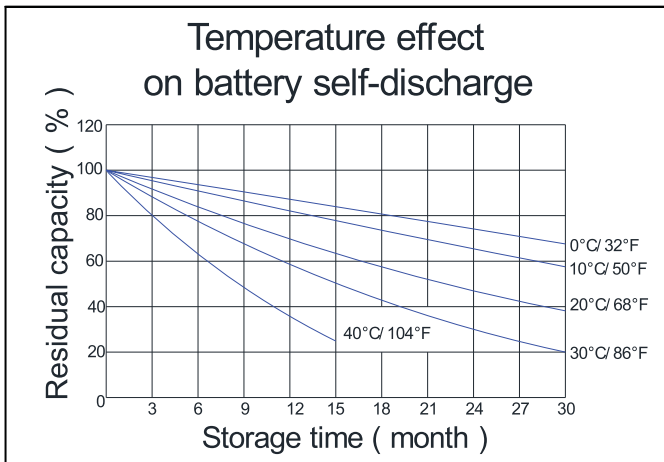
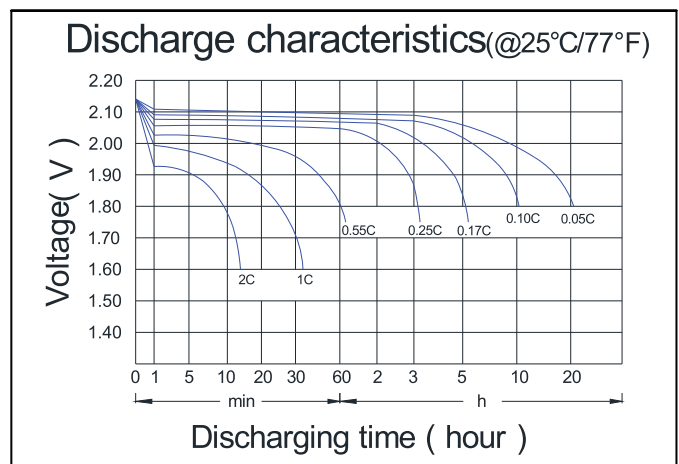
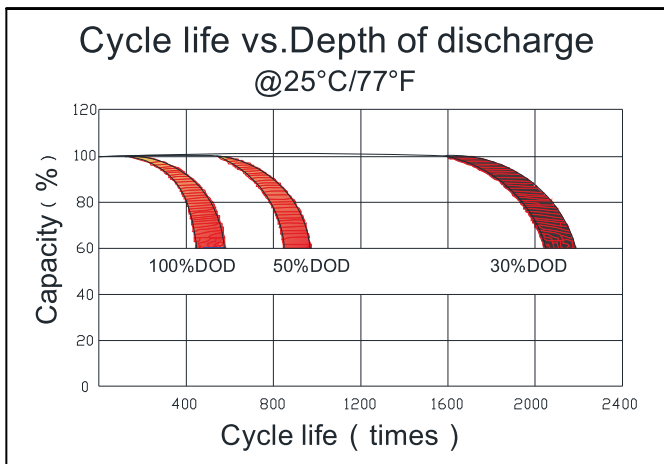
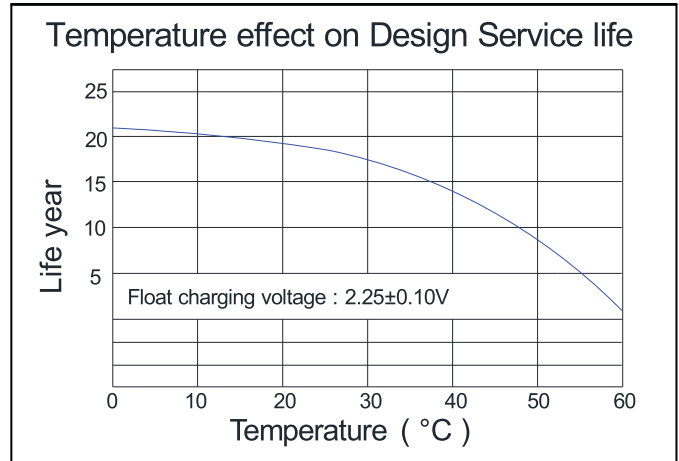
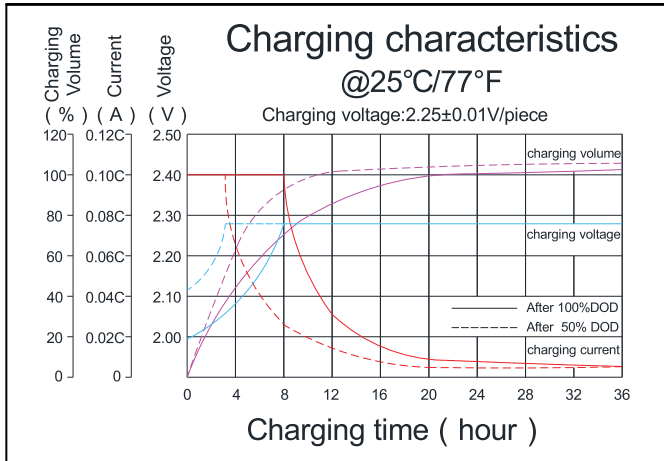
F.V/Time	30min	45min	1h	2h	3h	4h	5h	8h	10h	20h	48h	100h
1.80V/cell	157.5	122.5	102.7	63.7	48.9	40.1	34.1	24.0	20.0	10.7	4.65	2.30
1.75V/cell	166.8	128.9	107.2	66.1	50.5	41.5	35.1	24.5	20.3	10.8	4.73	2.32
1.70V/cell	175.0	133.7	110.9	68.1	51.9	42.4	35.8	24.9	20.5	10.9	4.78	2.35
1.65V/cell	183.6	139.5	114.9	69.7	53.1	43.3	36.5	25.2	20.8	11.0	4.85	2.38
1.60V/cell	189.8	143.2	117.6	71.2	54.1	43.9	37.0	25.6	21.1	11.2	4.90	2.40

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	298.6	234.1	197.6	123.3	95.1	78.5	66.9	47.5	39.7	21.3	9.25	4.59
1.75V/cell	313.8	244.7	205.2	127.4	98.0	80.9	68.7	48.3	40.3	21.3	9.39	4.62
1.70V/cell	326.5	252.1	211.3	130.8	100.2	82.3	69.7	49.0	40.7	21.6	9.49	4.68
1.65V/cell	339.9	261.6	217.6	133.3	102.2	83.8	70.9	49.6	41.2	21.9	9.60	4.73
1.60V/cell	347.9	266.1	221.2	135.3	103.5	84.6	71.7	50.2	41.7	22.1	9.69	4.77

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

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