

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

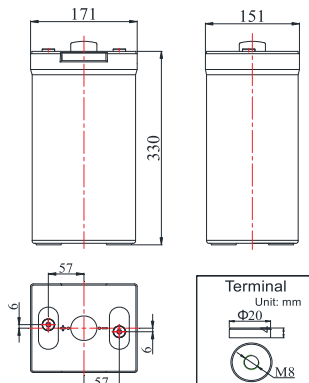
APPLICAITONS

- 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)	171±1
Width(mm)	151±1
Height(mm)	330±1
Total Height(mm)	365±1
Weight(KGS)	18.6±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@30.0A,1.8V)		300.0Ah
Capacity @25°C	100 hour rate(3.45A,1.8V)	345.0Ah
	20 hour rate(16.1A,1.8V)	322.0Ah
	5 hour rate (52.7A,1.75V)	263.5Ah
	1 hour rate (176.4A,1.6V)	176.4Ah
Full Charged Battery@25°C		≤0.1mΩ
Ambient Temperature	Discharge	-30°C~60°C
	Charge	-30°C~60°C
	Store	-30°C~60°C
Max. Discharge Current @25°C		1500A(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 45A Voltage 2.23-2.27V
	Cycle Use	Initial Charging Current Less than 45A Voltage 2.33-2.37V

BATTERY DISCHARGE TABLE

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

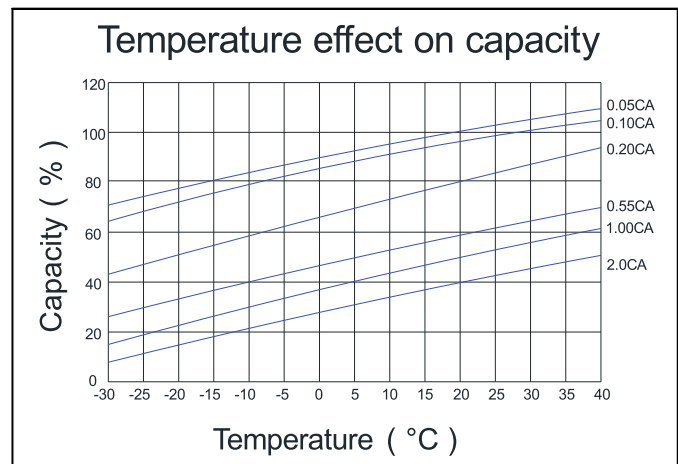
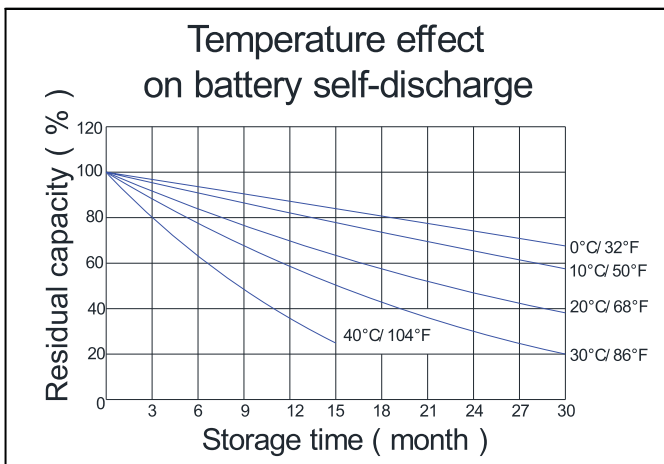
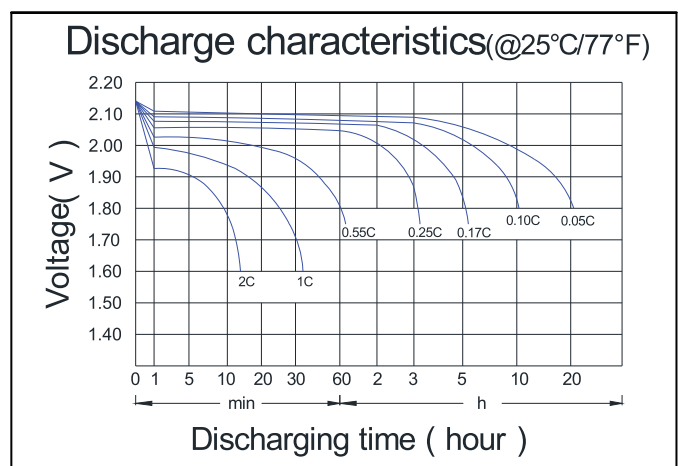
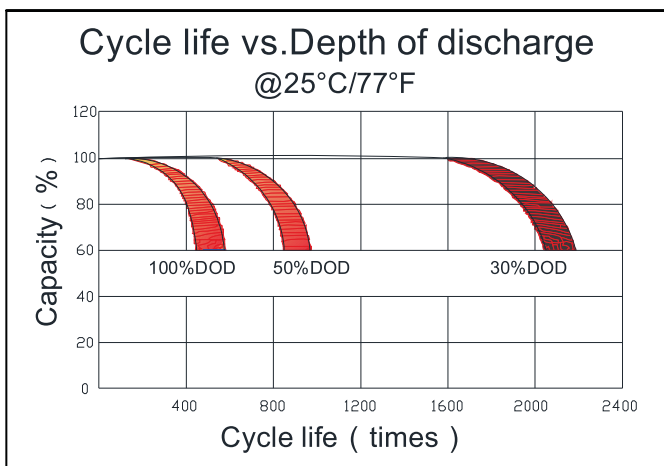
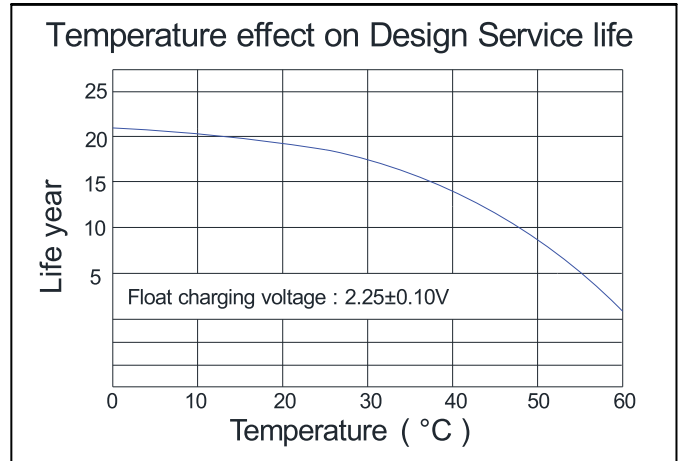
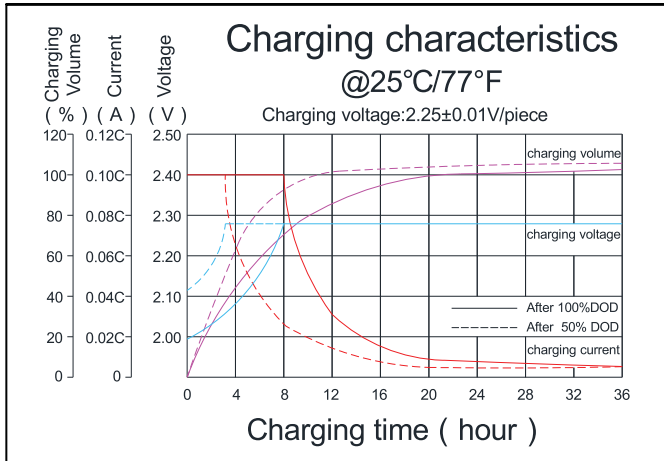
F.V/Time	30min	45min	1h	2h	3h	4h	5h	8h	10h	20h	48h	100h
1.80V/cell	236.2	183.8	154.1	95.6	73.3	60.2	51.1	36.0	30.0	16.1	6.98	3.45
1.75V/cell	250.2	193.3	160.8	99.2	75.8	62.3	52.7	36.7	30.5	16.1	7.09	3.48
1.70V/cell	262.5	200.6	166.4	102.2	77.8	63.6	53.6	37.3	30.8	16.3	7.18	3.53
1.65V/cell	275.4	209.3	172.3	104.6	79.7	65.0	54.8	37.8	31.2	16.6	7.27	3.57
1.60V/cell	284.7	214.8	176.4	106.8	81.1	65.9	55.6	38.3	31.7	16.7	7.35	3.61

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	447.8	351.1	296.3	185.0	142.6	117.7	100.3	71.3	59.6	31.9	13.9	6.88
1.75V/cell	470.6	367.0	307.9	191.2	147.1	121.3	103.1	72.5	60.4	32.0	14.1	6.94
1.70V/cell	489.7	378.2	317.0	196.1	150.4	123.4	104.5	73.6	61.0	32.4	14.2	7.02
1.65V/cell	509.8	392.4	326.4	199.9	153.4	125.7	106.4	74.4	61.8	32.8	14.4	7.09
1.60V/cell	521.9	399.1	331.8	202.9	155.2	126.9	107.5	75.2	62.5	33.1	14.5	7.15

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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