

## 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

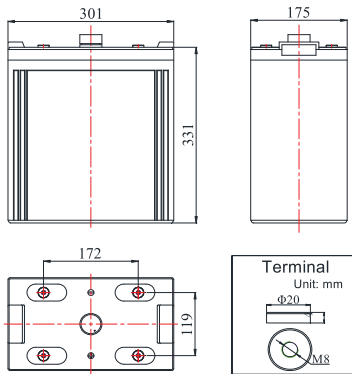
## APPLICAITONS

- 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)	301±1
Width(mm)	175±1
Height(mm)	331±1
Total Height(mm)	366±1
Weight(KGS)	37.9±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@60.0A,1.8V)		600.0Ah
Capacity @25°C	100 hour rate(6.90A,1.8V)	690.0Ah
	20 hour rate(32.10A,1.8V)	642.0Ah
	5 hour rate (105.4A,1.75V)	527.0Ah
	1 hour rate (352.8A,1.6V)	352.8Ah
Full Charged Battery@25°C		≤0.53mΩ
Ambient Temperature	Discharge	-30°C~60°C
	Charge	-30°C~60°C
	Store	-30°C~60°C
Max. Discharge Current @25°C		3000A(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 90A Voltage 2.23-2.27V
	Cycle Use	Initial Charging Current Less than 90A Voltage 2.33-2.37V

## BATTERY DISCHARGE TABLE

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

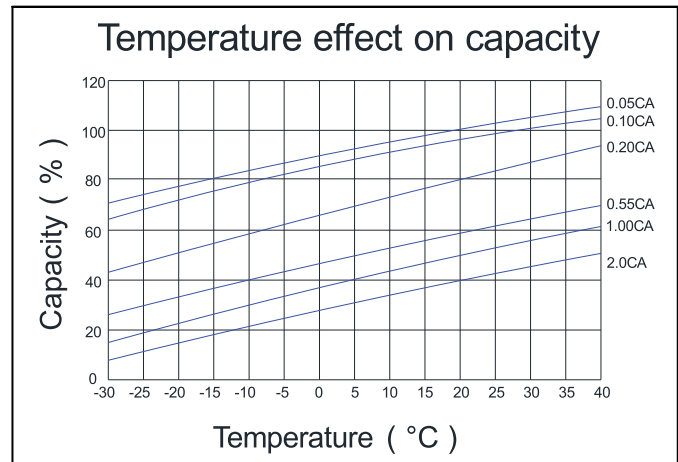
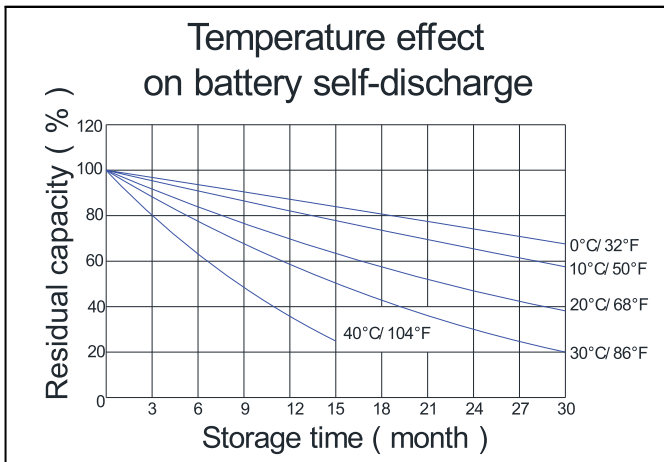
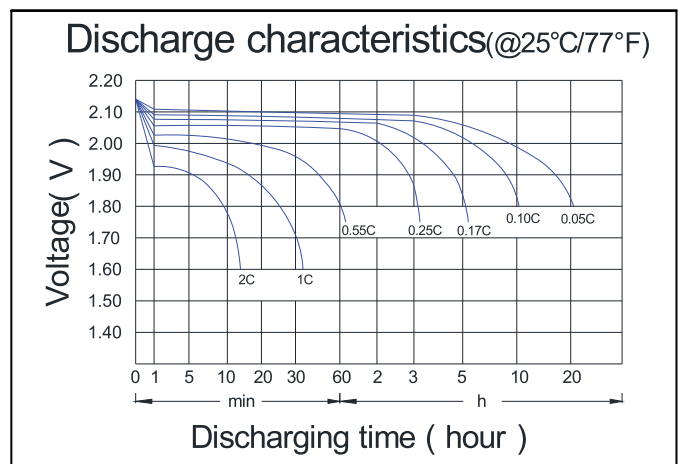
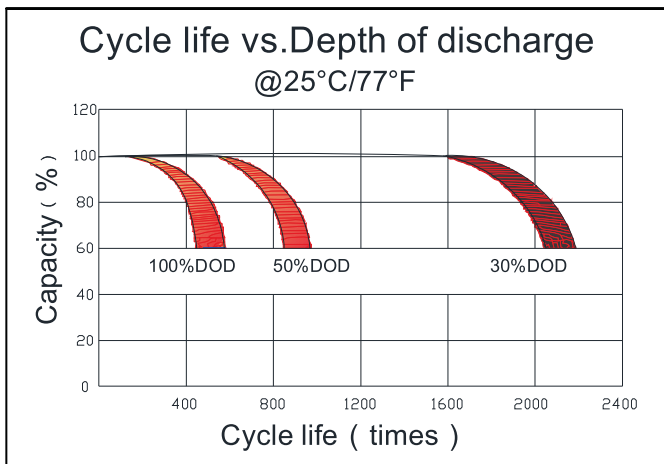
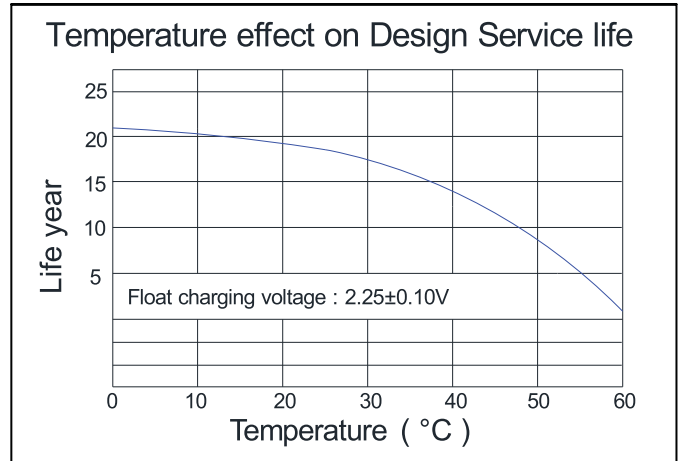
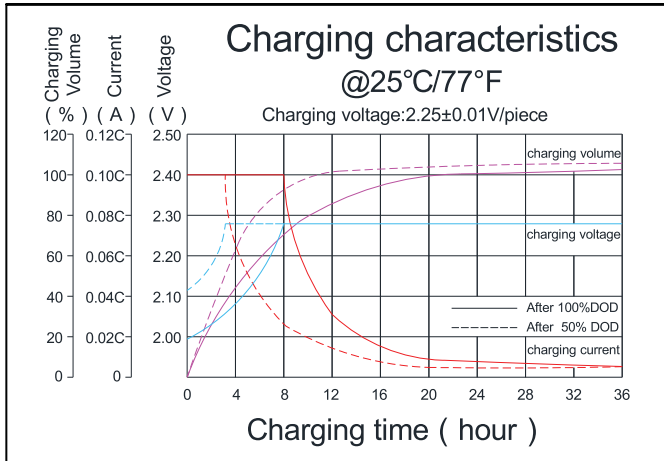
F.V/Time	30min	45min	1h	2h	3h	4h	5h	8h	10h	20h	48h	100h
1.80V/cell	472.5	367.6	308.1	191.1	146.6	120.4	102.3	72.1	60.0	32.1	14.0	6.90
1.75V/cell	500.3	386.6	321.5	198.3	151.6	124.5	105.4	73.5	60.9	32.3	14.2	6.97
1.70V/cell	525.0	401.1	332.8	204.3	155.6	127.3	107.3	74.6	61.6	32.6	14.4	7.06
1.65V/cell	550.7	418.6	344.7	209.1	159.4	130.0	109.6	75.7	62.5	33.1	14.5	7.14
1.60V/cell	569.5	429.7	352.8	213.6	162.2	131.8	111.1	76.7	63.3	33.5	14.7	7.21

### 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	895.7	702.2	592.7	369.9	285.2	235.4	200.6	142.6	119.2	63.8	27.8	13.8
1.75V/cell	941.3	734.0	615.7	382.3	294.1	242.6	206.1	145.0	120.8	64.0	28.2	13.9
1.70V/cell	979.4	756.4	633.9	392.3	300.7	246.9	209.0	147.1	122.0	64.7	28.5	14.0
1.65V/cell	1019.7	784.9	652.9	399.8	306.7	251.3	212.8	148.8	123.6	65.6	28.8	14.2
1.60V/cell	1043.8	798.2	663.6	405.8	310.5	253.7	215.0	150.5	125.1	66.2	29.1	14.3

**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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