

## 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

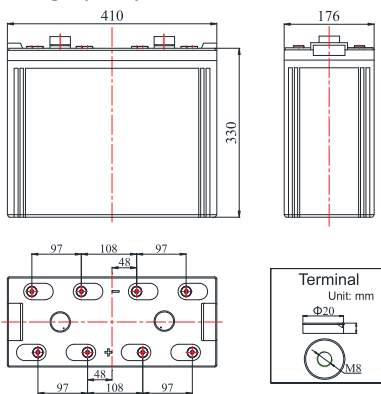
## APPLICAITONS

- 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)	410±1
Width(mm)	176±1
Height(mm)	330±1
Total Height(mm)	365±1
Weight(KGS)	51.8±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@80.0A,1.8V)		800.0Ah
Capacity @25°C	100 hour rate(9.20A,1.8V)	920.0Ah
	20 hour rate(42.8A,1.8V)	856.0Ah
	5 hour rate (140.6A,1.75V)	703.0Ah
	1 hour rate (470.4A,1.6V)	470.4Ah
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		4000A(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 120A Voltage 2.23-2.27V
	Cycle Use	Initial Charging Current Less than 120A Voltage 2.33-2.37V

## BATTERY DISCHARGE TABLE

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

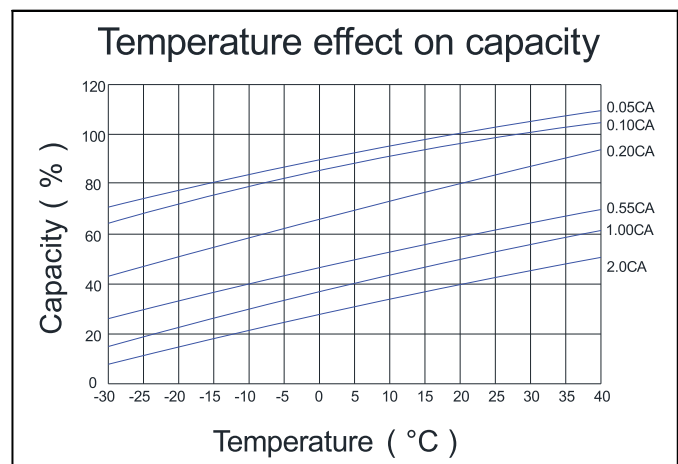
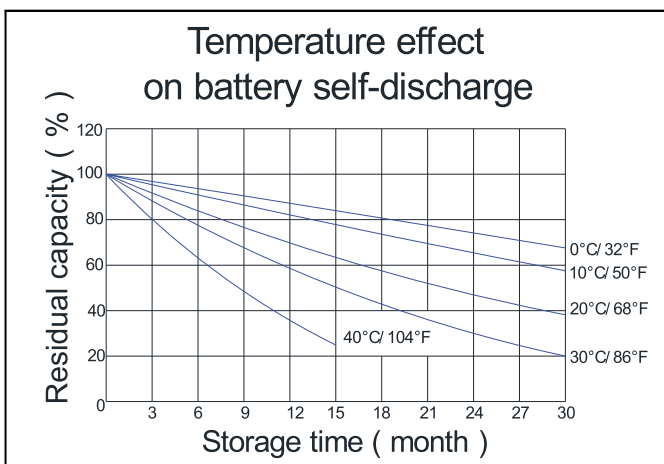
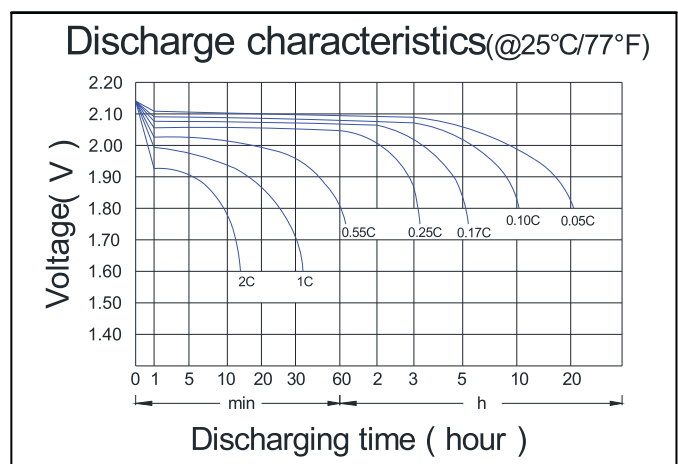
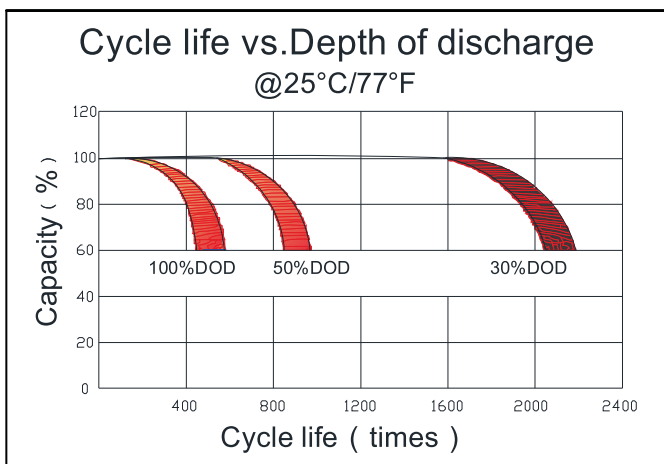
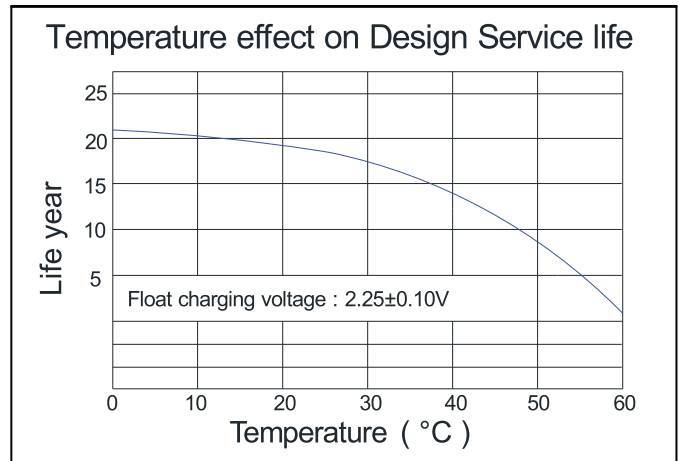
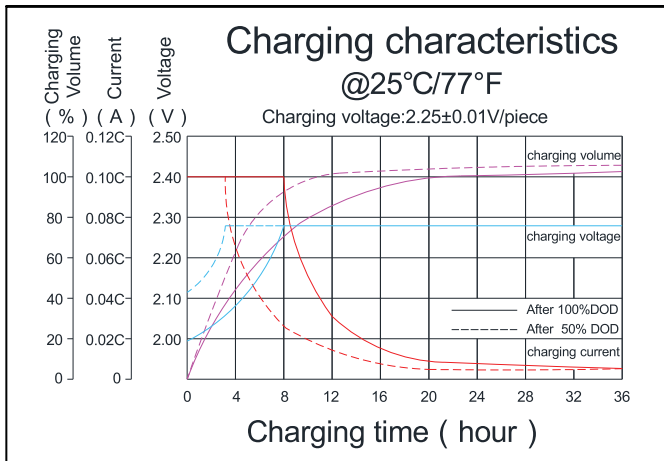
F.V/Time	30min	45min	1h	2h	3h	4h	5h	8h	10h	20h	48h	100h
1.80V/cell	630.0	490.2	410.8	254.8	195.5	160.6	136.4	96.1	80.0	42.8	18.6	9.20
1.75V/cell	667.1	515.4	428.7	264.4	202.1	166.0	140.6	97.9	81.2	43.0	18.9	9.29
1.70V/cell	700.0	534.8	443.7	272.4	207.5	169.7	143.0	99.5	82.1	43.5	19.1	9.41
1.65V/cell	734.3	558.1	459.6	278.8	212.5	173.3	146.1	100.9	83.3	44.1	19.4	9.52
1.60V/cell	759.3	572.9	470.4	284.8	216.3	175.7	148.2	102.2	84.4	44.6	19.6	9.62

### 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	1194.3	936.3	790.3	493.2	380.2	313.9	267.5	190.2	158.9	85.1	37.0	18.4
1.75V/cell	1255.1	978.7	821.0	509.8	392.1	323.5	274.8	193.3	161.1	85.4	37.6	18.5
1.70V/cell	1305.8	1008.5	845.2	523.0	401.0	329.2	278.7	196.2	162.7	86.3	38.0	18.7
1.65V/cell	1359.6	1046.5	870.5	533.0	409.0	335.1	283.7	198.5	164.8	87.5	38.4	18.9
1.60V/cell	1391.8	1064.2	884.7	541.1	414.0	338.3	286.6	200.6	166.7	88.3	38.8	19.1

**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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