

## 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

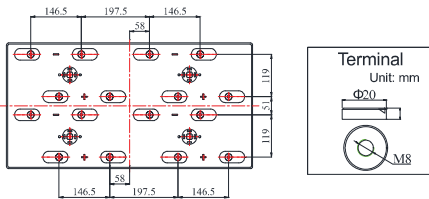
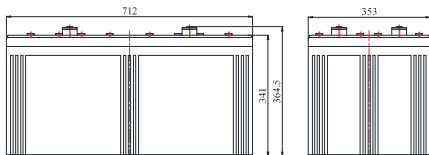
## APPLICAITONS

- 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)	712±1
Width(mm)	353±1
Height(mm)	341±1
Total Height(mm)	382±1
Weight(KGS)	191±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@300.0A,1.8V)		3000.0Ah
Capacity @25°C	100 hour rate(34.5A,1.8V)	3450.0Ah
	20 hour rate(161.3A,1.8V)	3226.0Ah
	5 hour rate (527.2A,1.75V)	2636.0Ah
	1 hour rate (1763.9A,1.6V)	1763.9Ah
Full Charged Battery@25°C		≤0.13mΩ
Ambient Temperature	Discharge	-30°C~60°C
	Charge	-30°C~60°C
	Store	-30°C~60°C
Max. Discharge Current @25°C		10000A(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 450A Voltage 2.23-2.27V
	Cycle Use	Initial Charging Current Less than 450A Voltage 2.33-2.37V

## BATTERY DISCHARGE TABLE

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

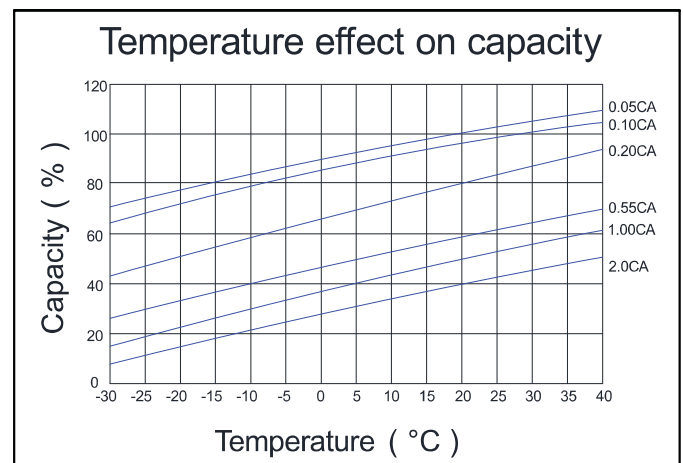
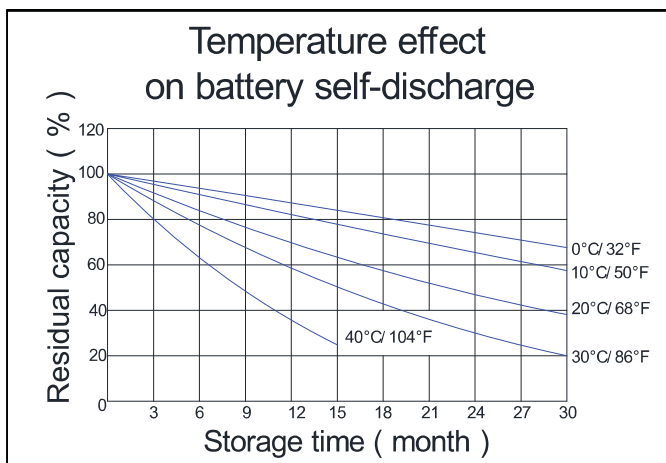
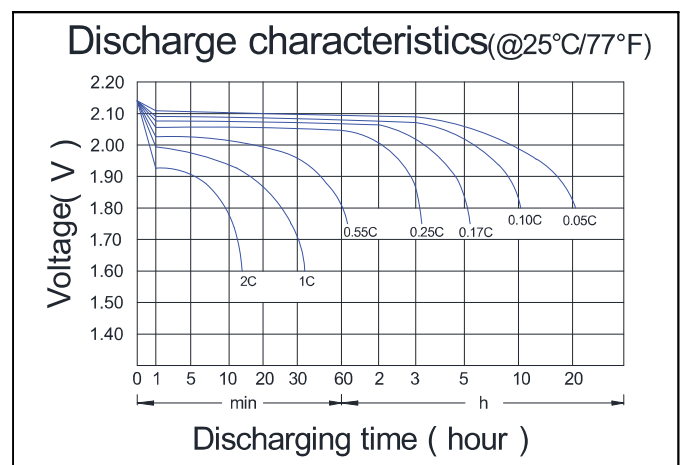
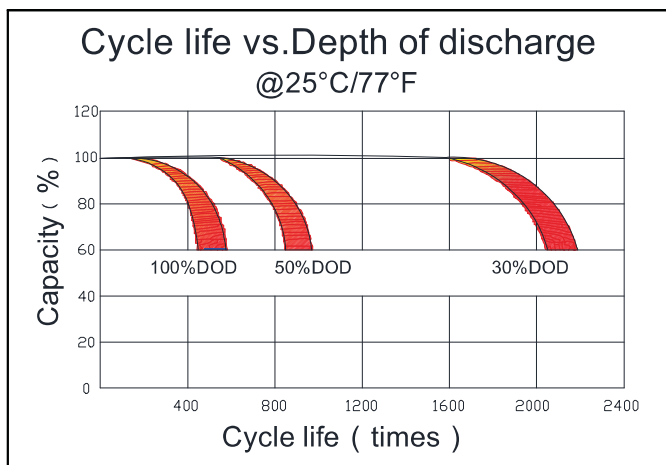
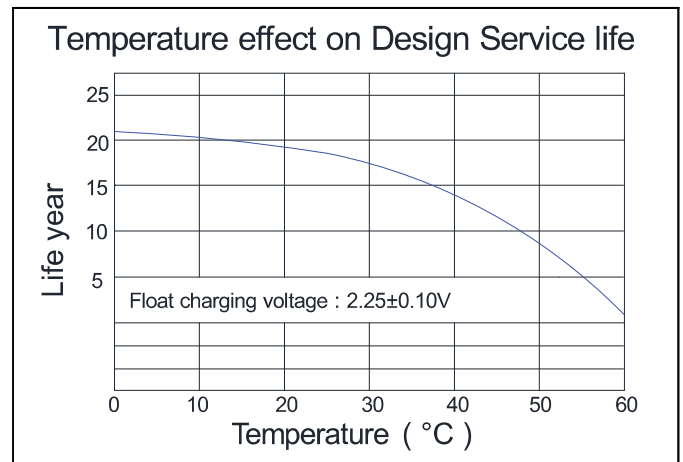
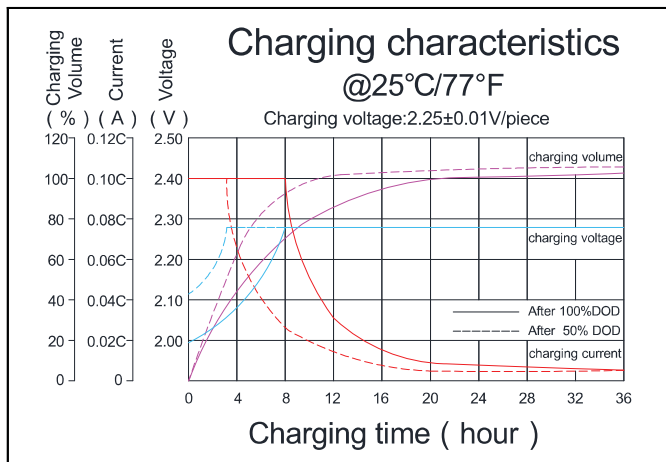
F.V/Time	30min	45min	1h	2h	3h	4h	5h	8h	10h	20h	48h	100h
1.80V/cell	2362.4	1838.2	1540.7	955.5	733.0	602.2	511.5	360.5	300.0	160.5	69.8	34.5
1.75V/cell	2501.7	1932.8	1607.6	991.5	758.0	622.7	527.2	367.3	304.5	161.3	70.9	34.8
1.70V/cell	2624.9	2005.6	1663.9	1021.5	778.0	636.3	536.3	373.0	307.8	163.1	71.8	35.3
1.65V/cell	2753.5	2093.0	1723.5	1045.5	797.0	649.9	547.8	378.3	312.3	165.5	72.7	35.7
1.60V/cell	2847.4	2148.5	1763.9	1068.0	811.0	659.0	555.7	383.3	316.5	167.3	73.5	36.1

### 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	4478.5	3511.0	2963.5	1849.7	1425.8	1177.1	1003.1	713.2	595.8	319.1	138.8	68.8
1.75V/cell	4706.5	3670.1	3078.6	1911.7	1470.5	1213.0	1030.5	725.0	604.0	320.2	140.9	69.4
1.70V/cell	4896.8	3781.8	3169.6	1961.3	1503.6	1234.4	1045.2	735.6	610.1	323.7	142.3	70.2
1.65V/cell	5098.4	3924.4	3264.4	1998.9	1533.6	1256.6	1063.9	744.2	618.0	328.1	144.0	70.9
1.60V/cell	5219.2	3990.8	3317.8	2029.2	1552.4	1268.6	1074.9	752.4	625.3	331.0	145.3	71.5

**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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