

## 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

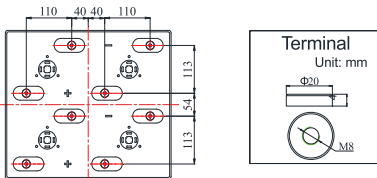
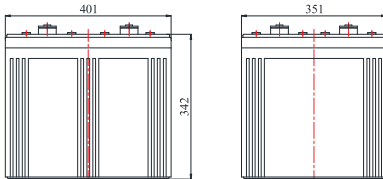
## APPLICAITONS

- 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)	401±1
Width(mm)	351±1
Height(mm)	342±1
Total Height(mm)	378±1
Weight(KGS)	97.0±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@150.0A,1.8V)		1500.0Ah
Capacity @25°C	100 hour rate(17.30A,1.8V)	1730.0Ah
	20 hour rate(80.3A,1.8V)	1606.0Ah
	5 hour rate (263.6A,1.75V)	1318.0Ah
	1 hour rate (881.9A,1.6V)	881.9Ah
Full Charged Battery@25°C		≤0.28mΩ
Ambient Temperature	Discharge	-30°C~60°C
	Charge	-30°C~60°C
	Store	-30°C~60°C
Max. Discharge Current @25°C		6500A(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 225A Voltage 2.23-2.27V
	Cycle Use	Initial Charging Current Less than 225A Voltage 2.33-2.37V

## BATTERY DISCHARGE TABLE

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

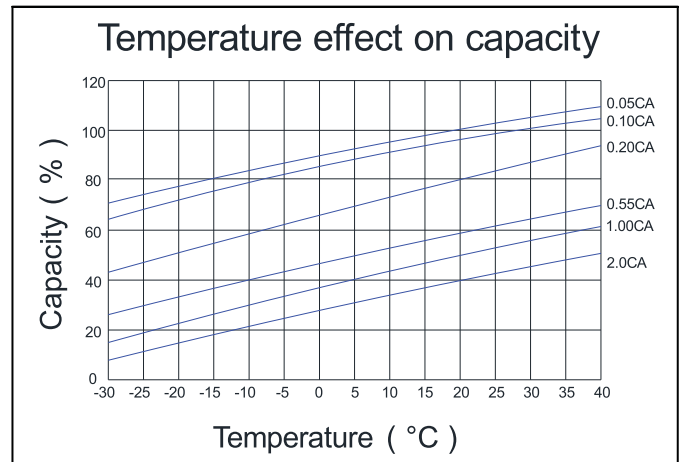
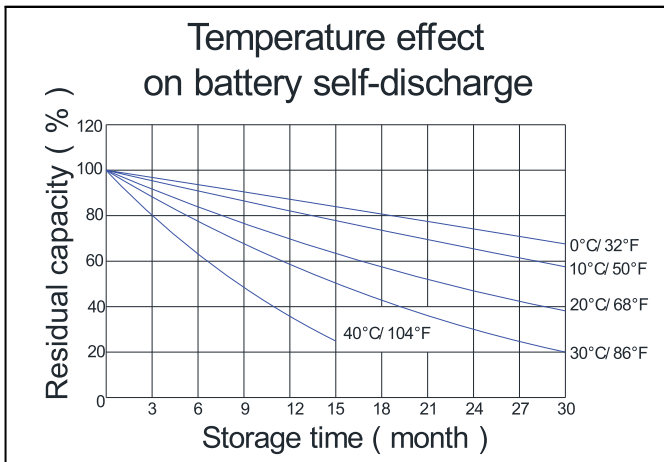
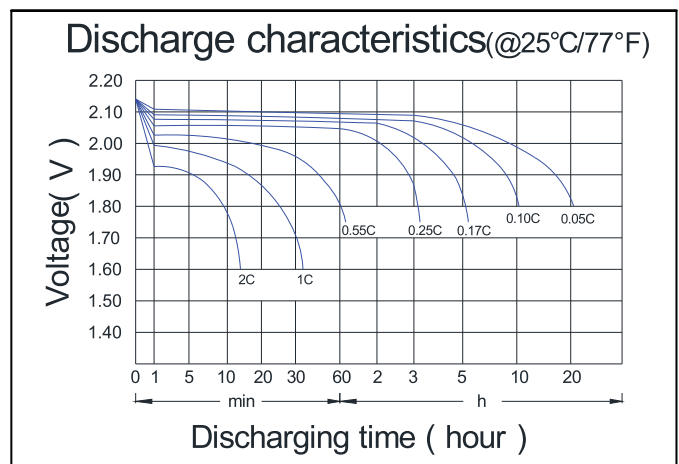
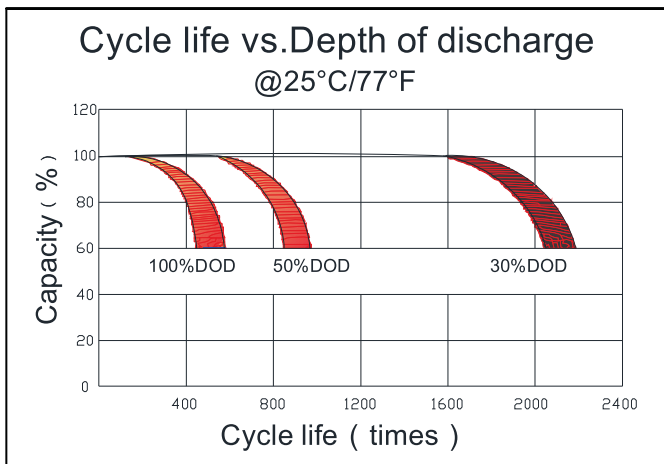
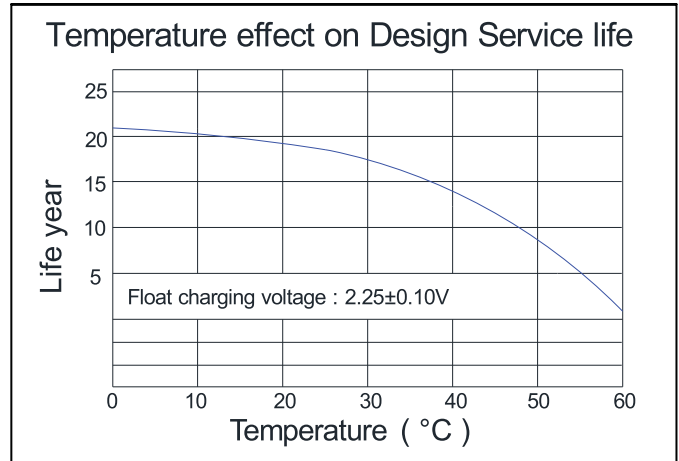
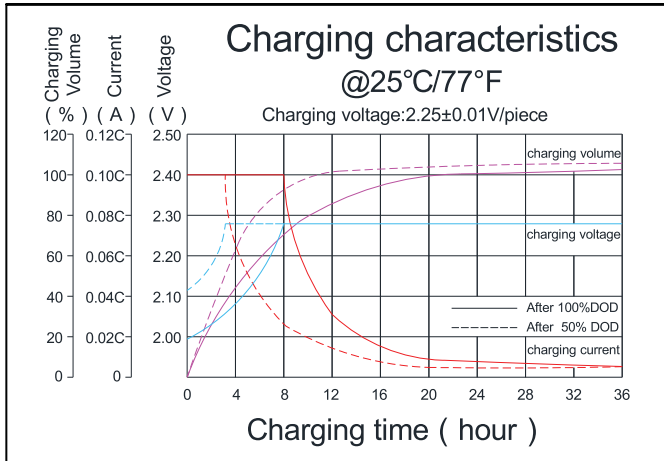
F.V/Time	30min	45min	1h	2h	3h	4h	5h	8h	10h	20h	48h	100h
1.80V/cell	1181.2	919.1	770.3	477.8	366.5	301.1	255.7	180.2	150.0	80.3	34.9	17.3
1.75V/cell	1250.9	966.4	803.8	495.8	379.0	311.3	263.6	183.7	152.3	80.6	35.5	17.4
1.70V/cell	1312.5	1002.8	832.0	510.8	389.0	318.2	268.2	186.5	153.9	81.6	35.9	17.6
1.65V/cell	1376.8	1046.5	861.7	522.8	398.5	325.0	273.9	189.2	156.2	82.8	36.3	17.8
1.60V/cell	1423.7	1074.2	881.9	534.0	405.5	329.5	277.9	191.6	158.3	83.6	36.7	18.0

### 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	2239.2	1755.5	1481.7	924.8	712.9	588.6	501.6	356.6	297.9	159.5	69.4	34.4
1.75V/cell	2353.2	1835.0	1539.3	955.9	735.3	606.5	515.3	362.5	302.0	160.1	70.4	34.7
1.70V/cell	2448.4	1890.9	1584.8	980.6	751.8	617.2	522.6	367.8	305.1	161.9	71.2	35.1
1.65V/cell	2549.2	1962.2	1632.2	999.4	766.8	628.3	531.9	372.1	309.0	164.0	72.0	35.5
1.60V/cell	2609.6	1995.4	1658.9	1014.6	776.2	634.3	537.4	376.2	312.7	165.5	72.7	35.8

**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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