

## 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

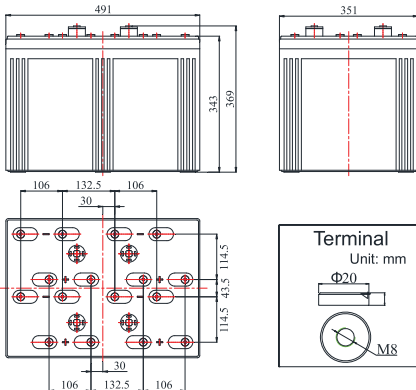
## APPLICAITONS

- 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)	491±1
Width(mm)	351±1
Height(mm)	343±1
Total Height(mm)	383±1
Weight(KGS)	130.8±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@200.0A,1.8V)		2000.0Ah
Capacity @25°C	100 hour rate(23.0A,1.8V)	2300.0Ah
	20 hour rate(107A,1.8V)	2140.0Ah
	5 hour rate (351.5A,1.75V)	1757.5Ah
	1 hour rate (1175.9A,1.6V)	1175.9Ah
Full Charged Battery@25°C		≤0.20mΩ
Ambient Temperature	Discharge	-30°C~60°C
	Charge	-30°C~60°C
	Store	-30°C~60°C
Max. Discharge Current @25°C		8000A(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 300A Voltage 2.23-2.27V
	Cycle Use	Initial Charging Current Less than 300A Voltage 2.33-2.37V

## BATTERY DISCHARGE TABLE

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

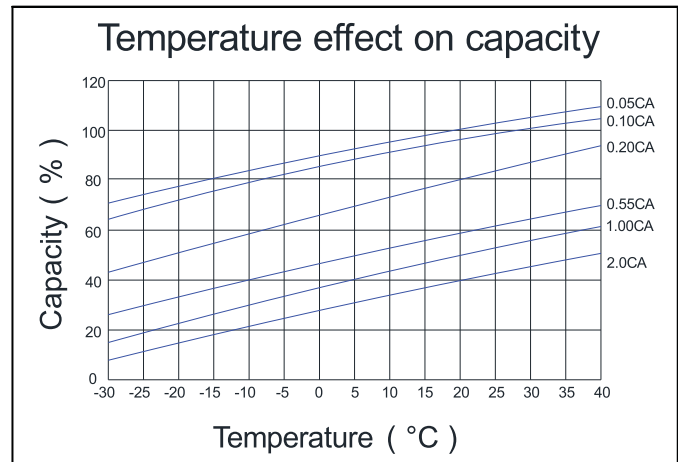
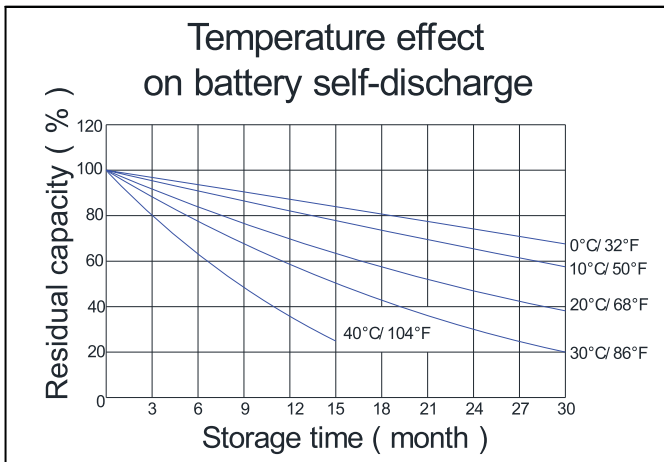
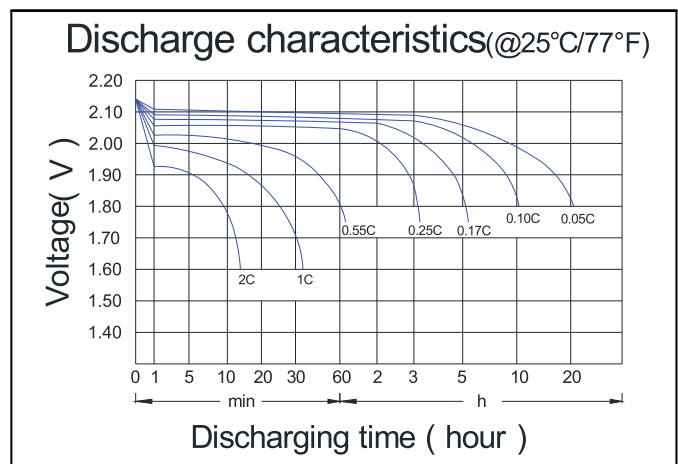
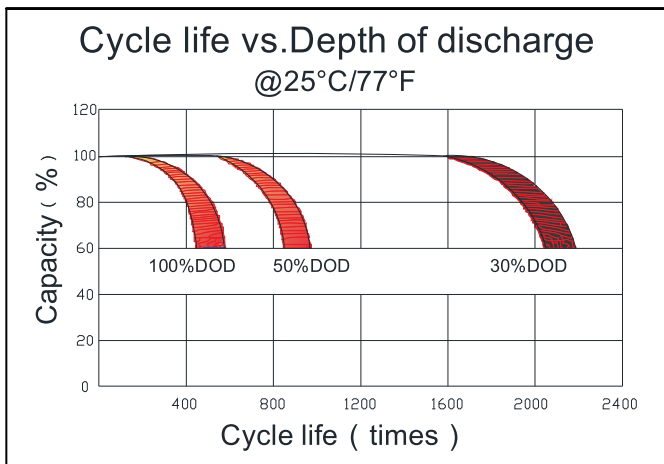
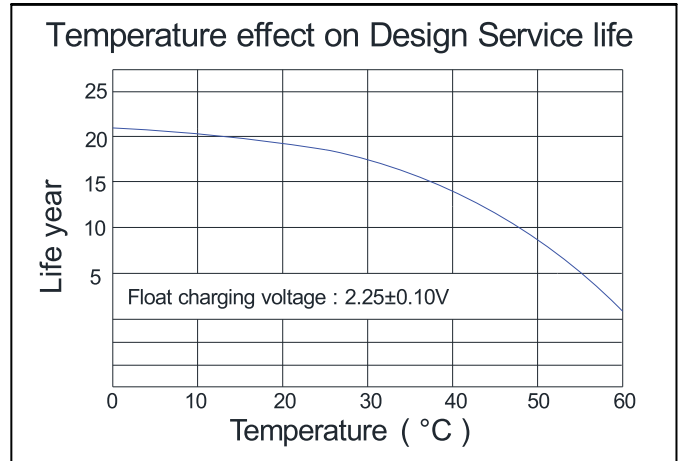
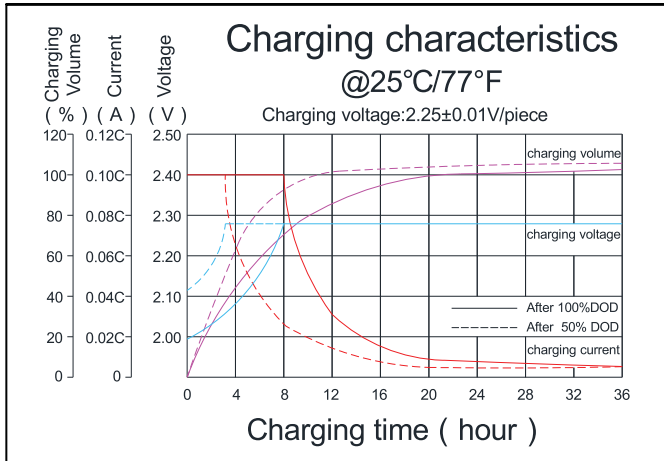
F.V/Time	30min	45min	1h	2h	3h	4h	5h	8h	10h	20h	48h	100h
1.80V/cell	1575.0	1225.5	1027.1	637.0	488.7	401.5	341.0	240.3	200.0	107.0	46.5	23.0
1.75V/cell	1667.8	1288.6	1071.7	661.0	505.3	415.1	351.5	244.9	203.0	107.5	47.3	23.2
1.70V/cell	1750.0	1337.1	1109.3	681.0	518.7	424.2	357.5	248.7	205.2	108.8	47.8	23.5
1.65V/cell	1835.7	1395.3	1149.0	697.0	531.3	433.3	365.2	252.2	208.2	110.3	48.5	23.8
1.60V/cell	1898.2	1432.3	1175.9	712.0	540.7	439.4	370.5	255.5	211.0	111.5	49.0	24.0

### 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	2985.7	2340.6	1975.7	1233.1	950.5	784.8	668.8	475.4	397.2	212.7	92.5	45.9
1.75V/cell	3137.7	2446.7	2052.4	1274.5	980.3	808.6	687.0	483.3	402.7	213.5	93.9	46.2
1.70V/cell	3264.5	2521.2	2113.1	1307.5	1002.4	822.9	696.8	490.4	406.7	215.8	94.9	46.8
1.65V/cell	3398.9	2616.3	2176.3	1332.6	1022.4	837.8	709.2	496.1	412.0	218.7	96.0	47.3
1.60V/cell	3479.5	2660.5	2211.9	1352.8	1034.9	845.7	716.6	501.6	416.9	220.7	96.9	47.7

**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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