

## 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

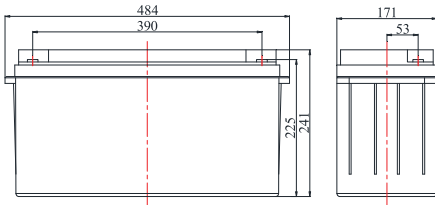
## APPLICAITONS

- 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)	484±1
Width(mm)	171±1
Height(mm)	241±1
Total Height(mm)	241±1
Weight(KGS)	43.7±3%



## COMPLIED STANDARDS

IEC60896-21/22	JISC8704
YD/T1360	BS6290 Part 4
GB/T 19638	UL1989

## TECHNICAL SPECIFICATIONS



Nominal Voltage		12V(6cells per unit)
Design Floating Life @25°C		12 Years
Nominal Capacity @25°C(20 hour rate@7.50A,10.50V)		150.0Ah
Capacity @25°C	100 hour rate(1.61A,10.8V)	161.0Ah
	10 hour rate(14.30A,10.5V)	143.0Ah
	5 hour rate (24.4A,10.5V)	122.0Ah
	1 hour rate (85.1A,9.6V)	85.1Ah
Full Charged Battery@25°C		≤5.5mΩ
Ambient Temperature	Discharge	-30°C~60°C
	Charge	-30°C~60°C
	Store	-30°C~60°C
Max. Discharge Current @25°C		1500A(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 30A Voltage 13.6-13.8V
	Cycle Use	Initial Charging Current Less than 30A Voltage 14.4-14.9V

## BATTERY DISCHARGE TABLE

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

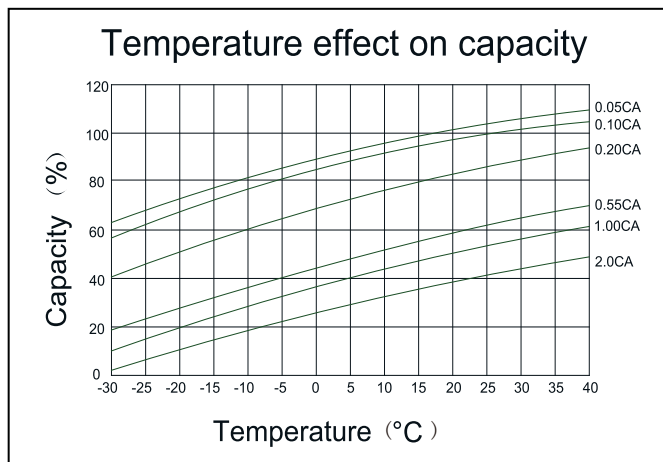
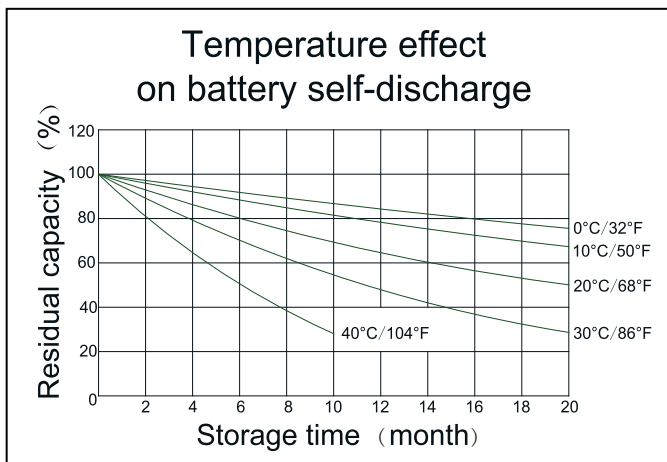
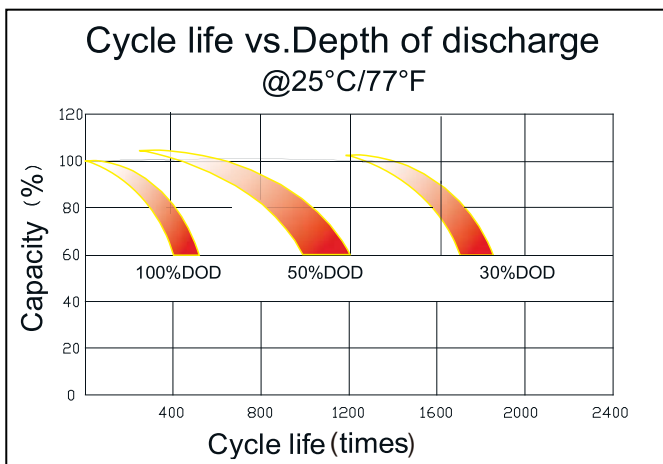
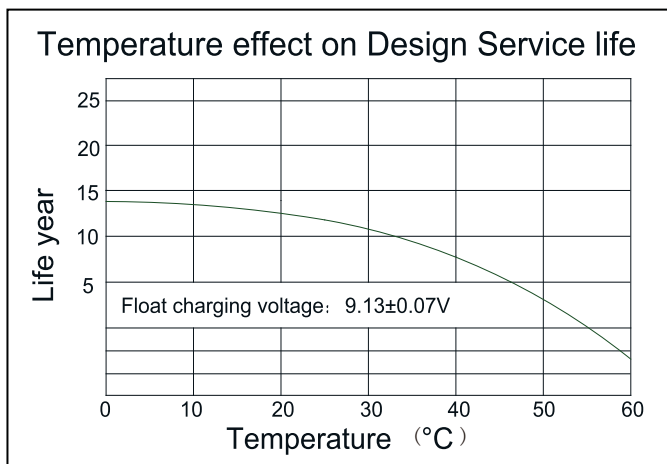
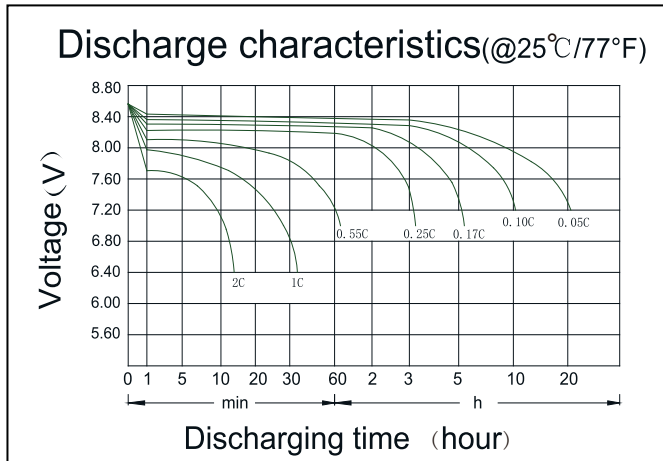
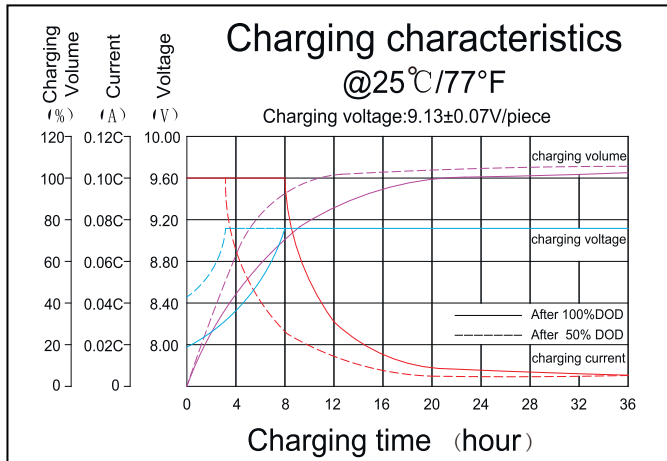
F.V/Time	15min	20min	30min	45min	1h	2h	3h	4h	5h	8h	10h	20h	48h	100h
1.80V/cell	176.6	145.5	110.9	86.4	69.4	45.6	34.2	27.8	23.5	16.4	14.0	7.35	3.26	1.61
1.75V/cell	195.8	159.4	119.3	92.4	74.9	47.8	36.1	29.0	24.4	16.9	14.3	7.50	3.31	1.63
1.70V/cell	214.0	174.1	131.0	96.5	79.1	50.4	37.8	30.3	25.4	17.6	14.8	7.65	3.35	1.65
1.65V/cell	226.6	183.7	138.0	102.5	81.8	52.2	39.2	31.3	26.3	18.0	15.1	7.83	3.41	1.67
1.60V/cell	248.3	199.5	146.7	106.2	85.1	54.3	40.5	32.3	27.2	18.5	15.4	8.02	3.47	1.69

### Discharge Constant Power per Cell (Watts at 25°C)

F.V/Time	15min	20min	30min	45min	1h	2h	3h	4h	5h	8h	10h	20h	48h	100h
1.80V/cell	326.8	271.7	209.2	165.0	133.9	88.5	66.5	54.3	46.2	32.5	27.8	14.6	6.50	3.22
1.75V/cell	358.1	294.8	223.2	175.5	143.8	92.4	70.0	56.6	47.8	33.4	28.4	14.9	6.59	3.24
1.70V/cell	385.8	319.6	243.9	182.6	151.4	97.1	73.2	58.8	49.6	34.6	29.2	15.2	6.66	3.28
1.65V/cell	407.0	336.0	255.8	193.0	156.0	100.2	75.8	60.8	51.2	35.5	29.9	15.5	6.77	3.32
1.60V/cell	437.0	359.6	268.9	198.1	160.7	103.5	77.8	62.4	52.8	36.3	30.5	15.9	6.88	3.35

**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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