

## 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

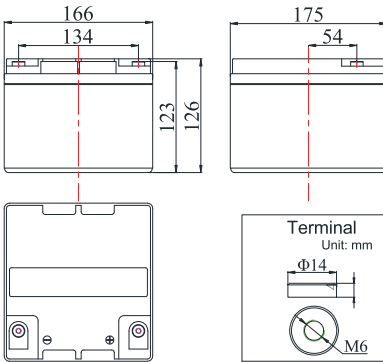
## APPLICAITONS

- 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)	166±1
Width(mm)	175±1
Height(mm)	126±1
Total Height(mm)	126±1
Weight(KGS)	8.4±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(10 hour rate@2.6A,10.80V)		26.0Ah
Capacity @25°C	100 hour rate(0.30A,10.8V)	30.0Ah
	20 hour rate(1.37A,10.8V)	27.4Ah
	5 hour rate (4.63A,10.5V)	23.15Ah
	1 hour rate (15.9A,9.6V)	15.9Ah
Full Charged Battery@25°C		≤13mΩ
Ambient Temperature	Discharge	-30°C~60°C
	Charge	-30°C~60°C
	Store	-30°C~60°C
Max. Discharge Current @25°C		260A(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 6.5A Voltage 13.6-13.8V
	Cycle Use	Initial Charging Current Less than 6.5A Voltage 14.4-14.9V

## BATTERY DISCHARGE TABLE

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

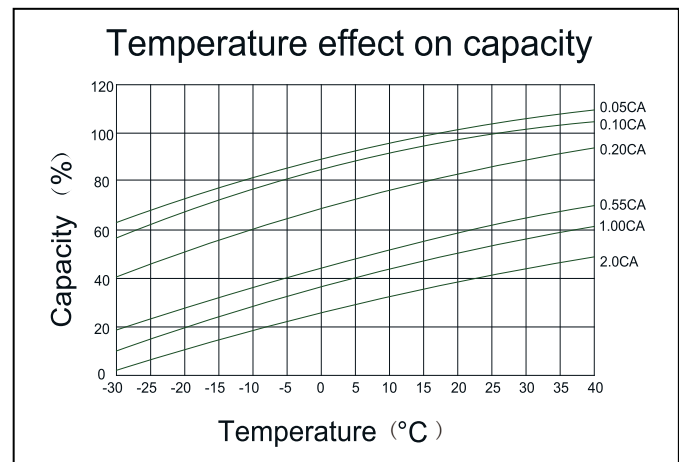
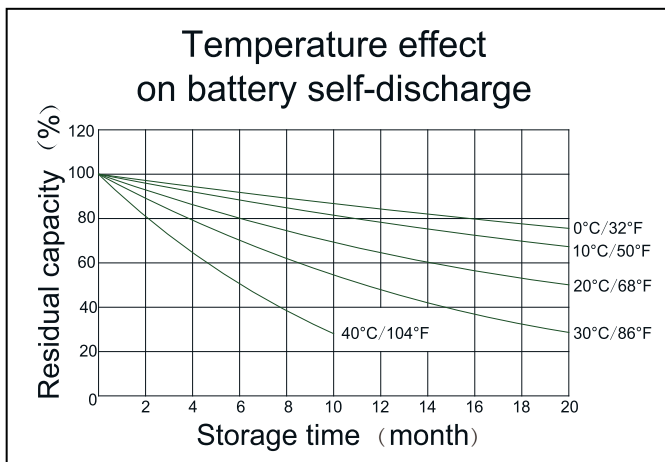
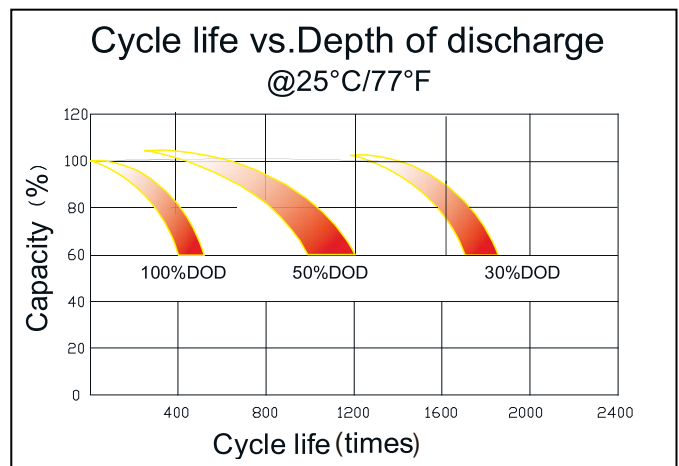
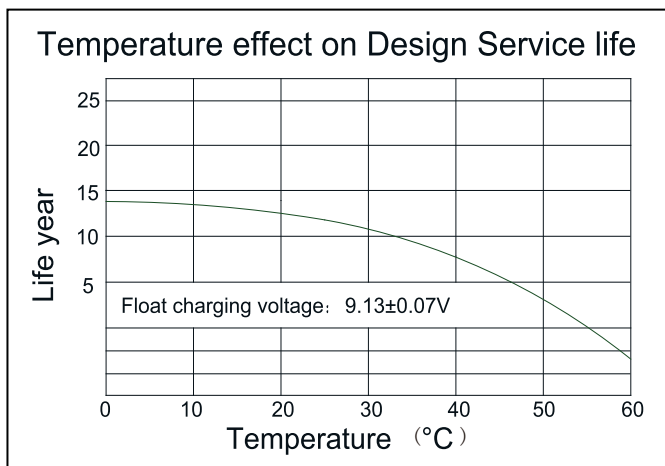
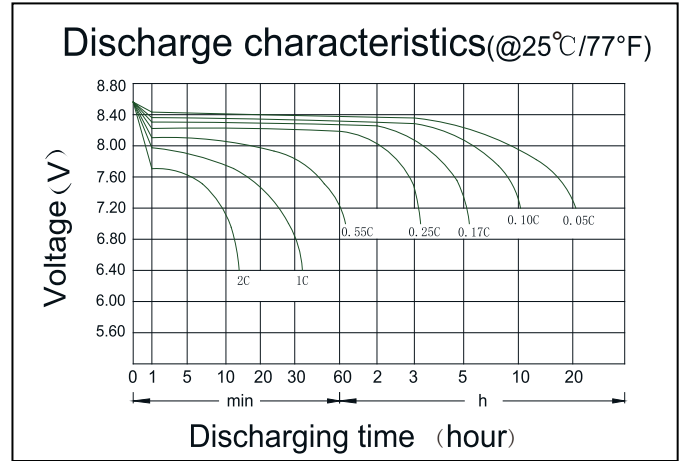
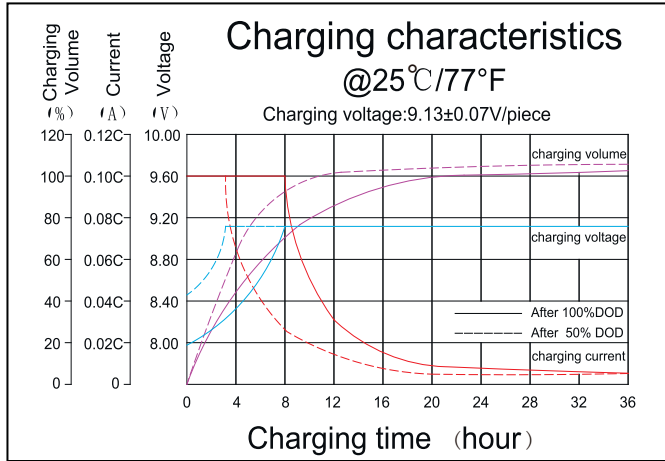
F.V/Time	15min	20min	30min	45min	1h	2h	3h	4h	5h	8h	10h	20h	48h	100h
1.80V/cell	33.0	27.2	20.7	16.1	13.0	8.58	6.38	5.20	4.40	3.07	2.60	1.37	0.605	0.300
1.75V/cell	36.6	29.8	22.3	17.3	14.0	8.99	6.76	5.42	4.63	3.16	2.66	1.39	0.615	0.302
1.70V/cell	40.0	32.5	24.5	18.0	14.8	9.47	7.06	5.65	4.81	3.28	2.74	1.42	0.622	0.306
1.65V/cell	42.3	34.3	25.8	19.1	15.3	9.80	7.32	5.85	4.92	3.37	2.80	1.45	0.633	0.310
1.60V/cell	46.4	37.3	27.4	19.8	15.9	10.2	7.57	6.03	5.09	3.46	2.86	1.49	0.644	0.313

### 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	61.4	51.0	39.3	31.0	25.1	16.7	12.5	10.2	8.67	6.10	5.19	2.73	1.21	0.600
1.75V/cell	67.2	55.4	41.9	32.9	27.0	17.4	13.2	10.6	9.09	6.27	5.29	2.78	1.23	0.604
1.70V/cell	72.4	60.0	45.8	34.3	28.4	18.3	13.7	11.0	9.44	6.50	5.46	2.83	1.24	0.611
1.65V/cell	76.4	63.1	48.0	36.2	29.3	18.9	14.2	11.4	9.62	6.66	5.57	2.90	1.26	0.620
1.60V/cell	82.1	67.5	50.5	37.2	30.1	19.6	14.6	11.7	9.91	6.82	5.69	2.96	1.28	0.624

**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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