

## 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

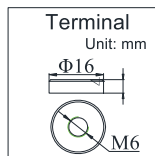
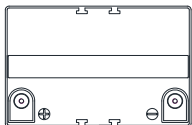
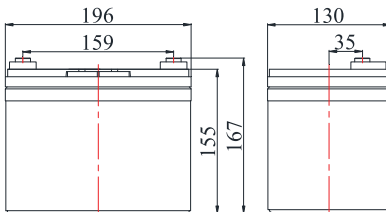
## APPLICAITONS

- 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)	196±1
Width(mm)	130±1
Height(mm)	155±1
Total Height(mm)	167±1
Weight(KGS)	10.1±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@3.3A,10.80V)		33.0Ah
Capacity @25°C	100 hour rate(0.368A,10.8V)	36.8Ah
	20 hour rate(1.72A,10.5V)	34.4Ah
	5 hour rate (5.70A,10.5V)	28.5Ah
	1 hour rate (19.5A,9.6V)	19.5Ah
Full Charged Battery@25°C		≤11.5mΩ
Ambient Temperature	Discharge	-30°C~60°C
	Charge	-30°C~60°C
	Store	-30°C~60°C
Max. Discharge Current @25°C		330A(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 8.25A Voltage 13.6-13.8V
	Cycle Use	Initial Charging Current Less than 8.25A Voltage 14.4-14.9V

## BATTERY DISCHARGE TABLE

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

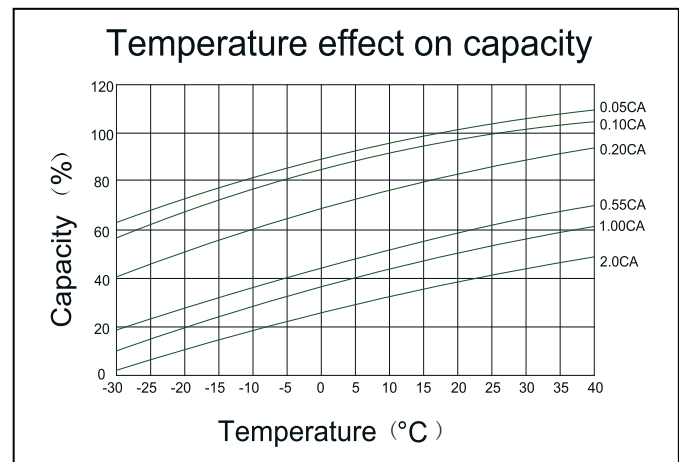
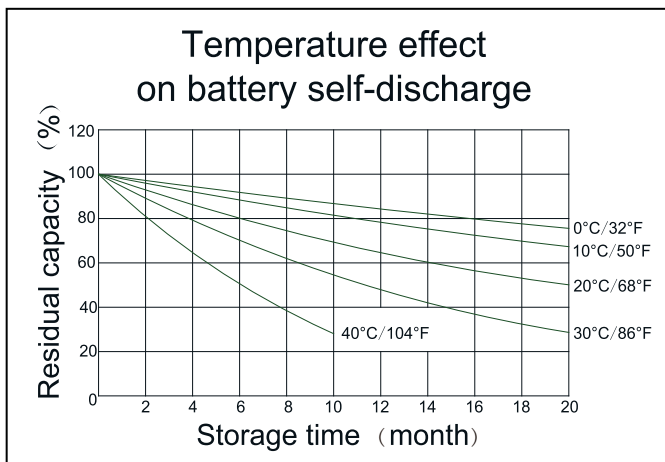
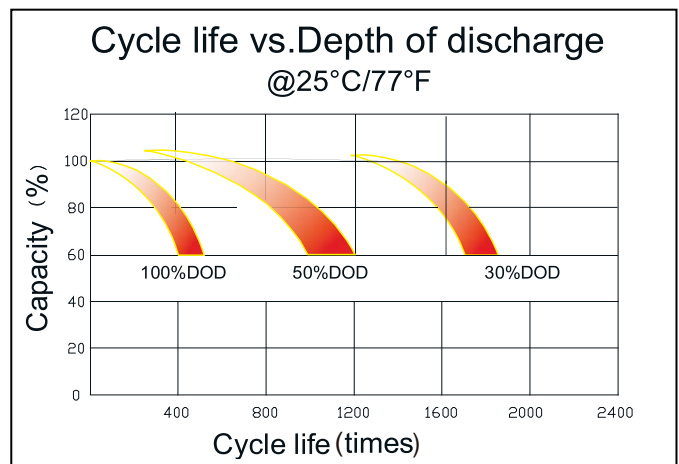
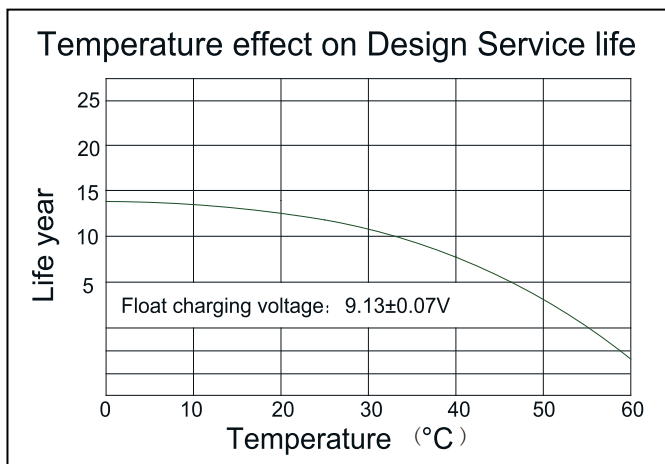
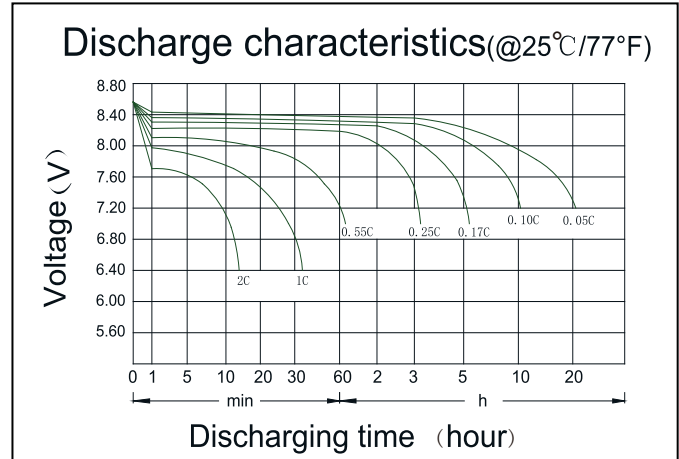
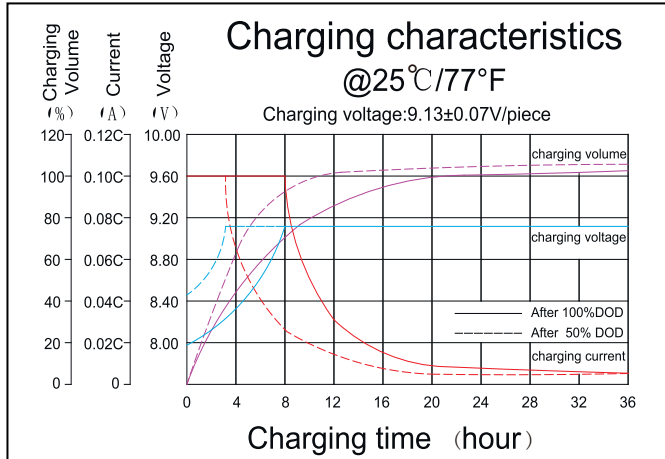
F.V/Time	15min	20min	30min	45min	1h	2h	3h	4h	5h	8h	10h	20h	48h	100h
1.80V/cell	40.6	33.5	25.5	19.9	16.0	10.6	7.85	6.39	5.41	3.78	3.20	1.68	0.74	0.368
1.75V/cell	45.0	36.7	27.4	21.2	17.2	11.1	8.32	6.68	5.70	3.89	3.30	1.72	0.76	0.371
1.70V/cell	49.2	40.0	30.1	22.2	18.2	11.7	8.69	6.96	5.92	4.04	3.37	1.75	0.77	0.376
1.65V/cell	52.1	42.2	31.7	23.6	18.8	12.1	9.01	7.20	6.05	4.14	3.45	1.79	0.78	0.382
1.60V/cell	57.1	45.9	33.7	24.4	19.5	12.6	9.31	7.43	6.26	4.26	3.52	1.83	0.79	0.385

### 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	75.5	62.8	48.3	38.1	30.9	20.6	15.4	12.6	10.7	7.51	6.39	3.36	1.49	0.739
1.75V/cell	82.7	68.1	51.6	40.5	33.2	21.5	16.2	13.1	11.2	7.72	6.52	3.42	1.51	0.744
1.70V/cell	89.2	73.9	56.4	42.2	35.0	22.6	16.9	13.6	11.6	8.00	6.72	3.49	1.53	0.752
1.65V/cell	94.0	77.7	59.1	44.6	36.1	23.3	17.5	14.0	11.8	8.20	6.86	3.57	1.56	0.763
1.60V/cell	101.0	83.1	62.1	45.8	37.1	24.1	18.0	14.4	12.2	8.40	7.00	3.64	1.58	0.769

**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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