

### 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

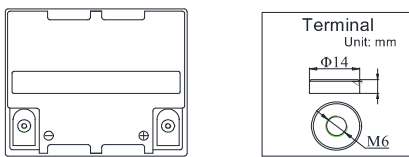
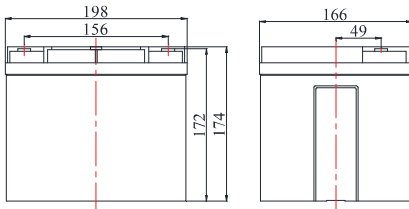
### APPLICAITONS

- 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)	198±1
Width(mm)	166±1
Height(mm)	172±1
Total Height(mm)	174±1
Weight(KGS)	13.0±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@4.29A,10.80V)		42.9Ah
Capacity @25°C	100 hour rate(0.50A,10.8V)	50.0Ah
	20 hour rate(2.25A,10.5V)	45.0Ah
	5 hour rate (7.49A,10.5V)	37.45Ah
	1 hour rate (26.1A,9.6V)	26.1Ah
Full Charged Battery@25°C		≤9.5mΩ
Ambient Temperature	Discharge	-30°C~60°C
	Charge	-30°C~60°C
	Store	-30°C~60°C
Max. Discharge Current @25°C		420A(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 10.5A Voltage 13.6-13.8V
	Cycle Use	Initial Charging Current Less than 10.5A Voltage 14.4-14.9V

### BATTERY DISCHARGE TABLE

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

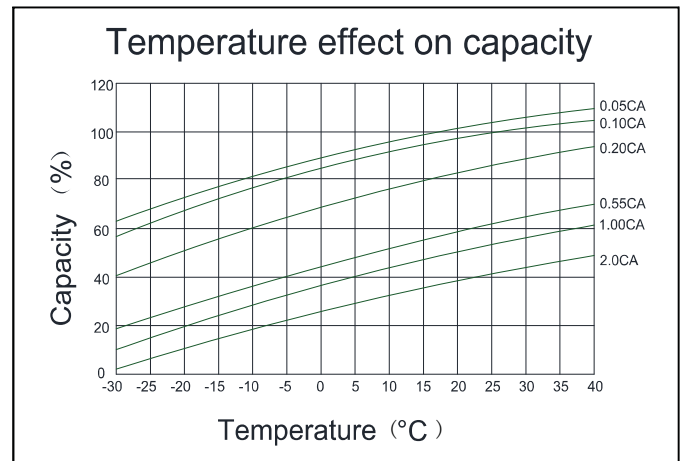
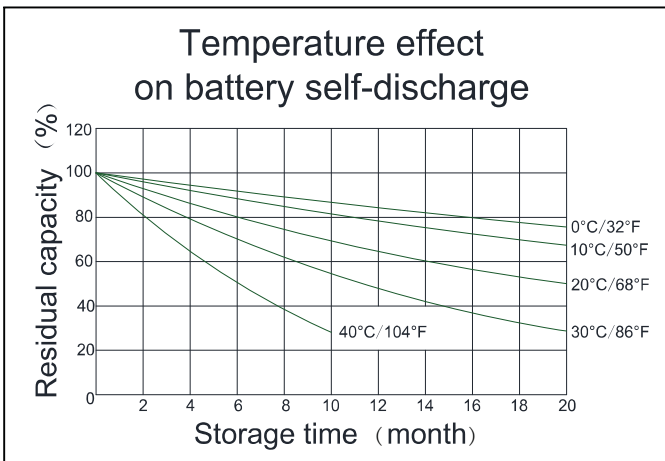
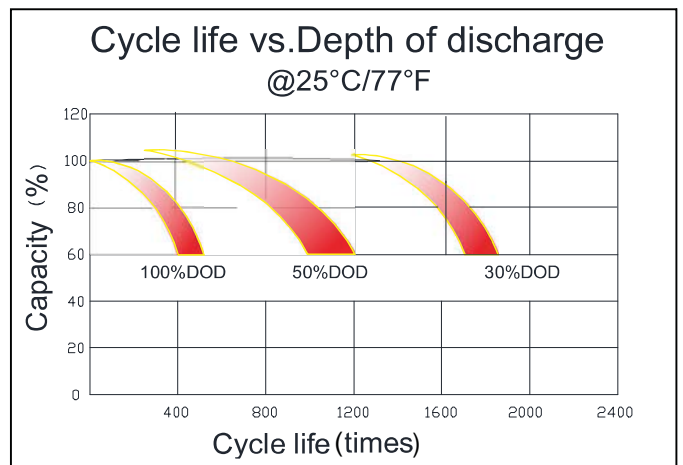
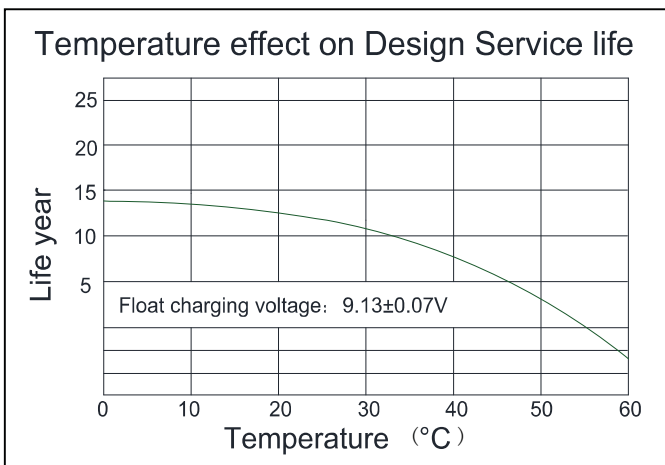
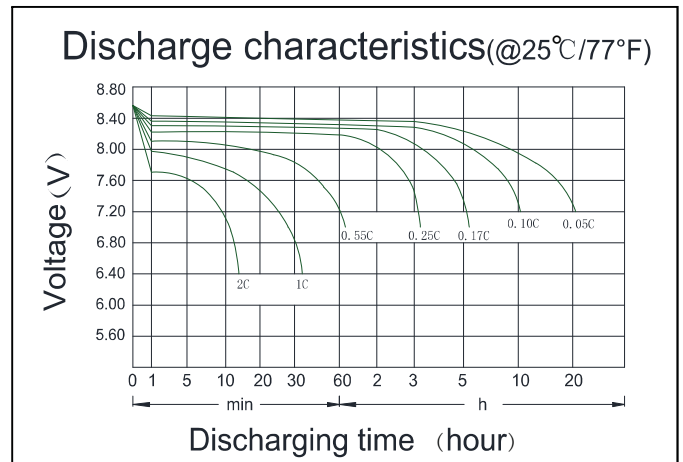
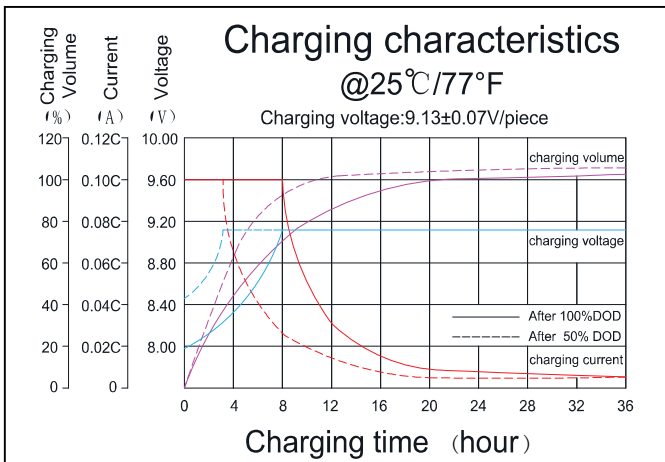
F.V/Time	15min	20min	30min	45min	1h	2h	3h	4h	5h	8h	10h	20h	48h	100h
1.80V/cell	54.1	44.6	34.0	26.5	21.3	14.0	10.5	8.52	7.22	5.04	4.29	2.25	1.00	0.500
1.75V/cell	60.0	48.9	36.6	28.3	22.9	14.7	11.1	8.90	7.49	5.19	4.38	2.30	1.01	0.505
1.70V/cell	65.6	53.4	40.2	29.6	24.2	15.4	11.6	9.27	7.79	5.38	4.52	2.34	1.03	0.512
1.65V/cell	69.4	56.3	42.3	31.4	25.1	16.0	12.0	9.59	8.06	5.52	4.62	2.40	1.04	0.519
1.60V/cell	76.1	61.1	45.0	32.5	26.1	16.6	12.4	9.90	8.35	5.67	4.72	2.46	1.06	0.524

#### 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	100.1	83.3	64.1	50.6	41.0	27.1	20.4	16.7	14.1	10.0	8.52	4.48	1.99	1.00
1.75V/cell	109.7	90.4	68.4	53.8	44.1	28.3	21.5	17.3	14.6	10.2	8.69	4.57	2.02	1.01
1.70V/cell	118.2	97.9	74.7	56.0	46.4	29.8	22.4	18.0	15.2	10.6	8.96	4.65	2.04	1.02
1.65V/cell	124.7	103.0	78.4	59.2	47.8	30.7	23.2	18.6	15.7	10.9	9.15	4.76	2.08	1.03
1.60V/cell	133.9	110.2	82.4	60.7	49.3	31.7	23.8	19.1	16.2	11.1	9.34	4.86	2.11	1.04

**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-Rubber and aging resister	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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