

### 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

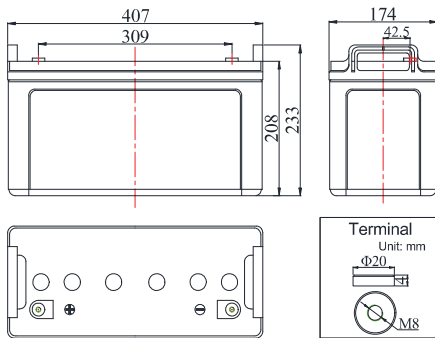
### APPLICAITONS

- 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)	407±1
Width(mm)	174±1
Height(mm)	208±1
Total Height(mm)	233±1
Weight(KGS)	34.2±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@12.0A,10.80V)		120.00Ah
Capacity @25°C	100 hour rate(13.8A,10.8V)	138.0Ah
	20 hour rate(6.30A,10.8V)	123.00Ah
	5 hour rate (20.9A,10.5V)	104.50Ah
	1 hour rate (72.9A,9.6V)	72.90Ah
Full Charged Battery@25°C		≤4.8mΩ
Ambient Temperature	Discharge	-30°C~60°C
	Charge	-30°C~60°C
	Store	-30°C~60°C
Max. Discharge Current @25°C		1100A(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 24.0A Voltage 13.6-13.8V
	Cycle Use	Initial Charging Current Less than 24.0A Voltage 14.4-14.9V

### BATTERY DISCHARGE TABLE

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

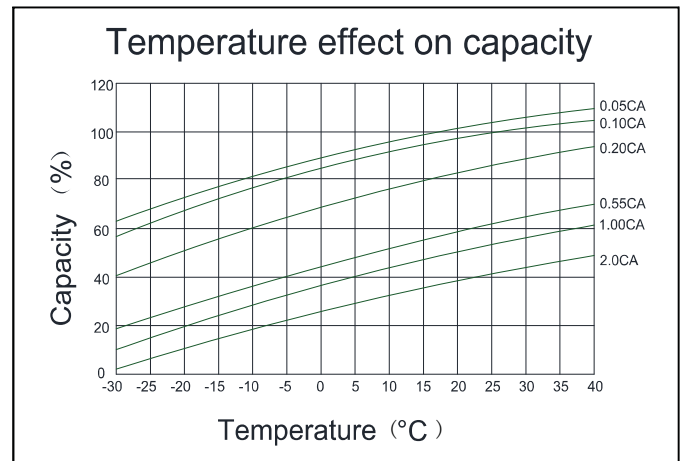
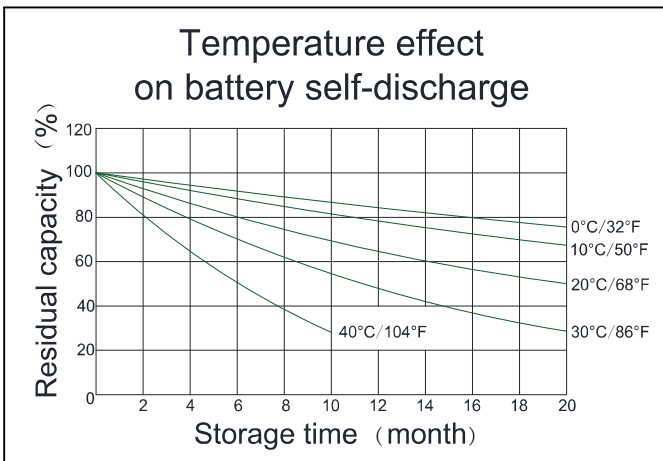
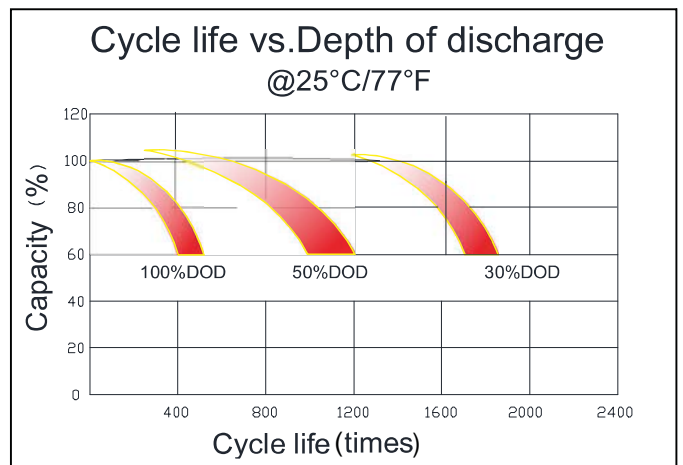
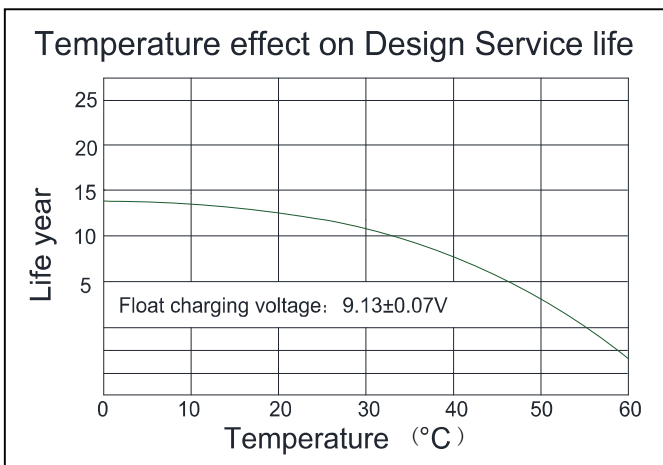
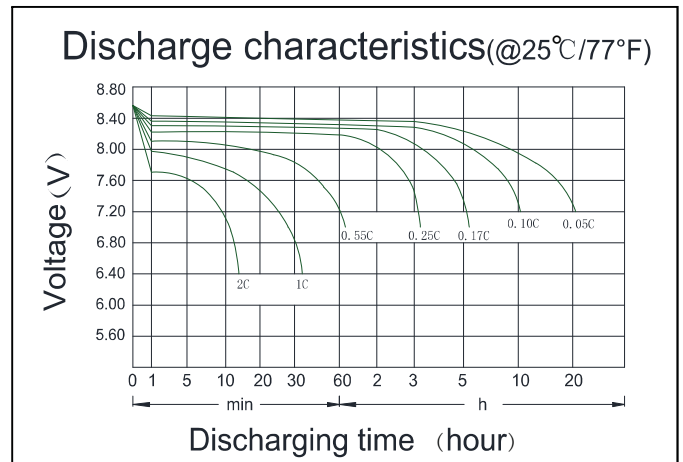
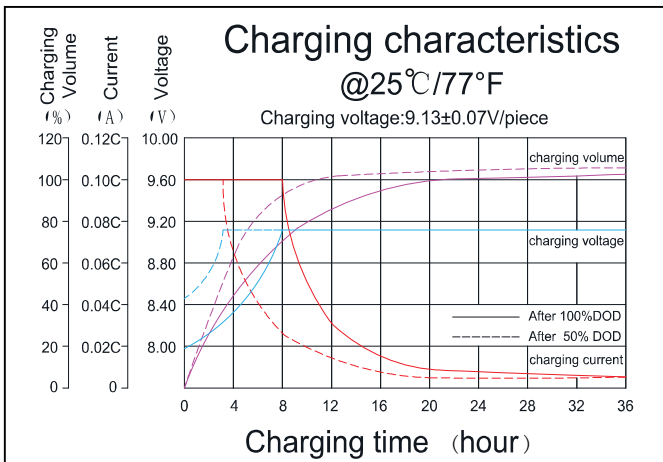
F.V/Time	15min	20min	30min	45min	1h	2h	3h	4h	5h	8h	10h	20h	48h	100h
1.80V/cell	151.3	124.7	95.0	74.1	59.5	39.1	29.3	23.8	20.2	14.1	12.0	6.30	2.79	1.38
1.75V/cell	167.9	136.6	102.2	79.2	64.2	41.0	30.9	24.9	20.9	14.5	12.3	6.43	2.84	1.39
1.70V/cell	183.4	149.2	112.3	82.7	67.8	43.2	32.4	25.9	21.8	15.0	12.6	6.56	2.87	1.41
1.65V/cell	194.2	157.5	118.3	87.8	70.1	44.7	33.6	26.8	22.6	15.4	12.9	6.71	2.92	1.43
1.60V/cell	212.9	171.0	125.8	91.0	72.9	46.6	34.7	27.7	23.3	15.9	13.2	6.87	2.97	1.45

#### 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	280.1	232.9	179.3	141.4	114.8	75.9	57.0	46.6	39.6	27.9	23.8	12.5	5.57	2.76
1.75V/cell	306.9	252.7	191.3	150.4	123.2	79.2	60.0	48.5	40.9	28.6	24.3	12.8	5.65	2.77
1.70V/cell	330.7	273.9	209.0	156.5	129.7	83.2	62.8	50.4	42.5	29.7	25.1	13.0	5.71	2.81
1.65V/cell	348.8	288.0	219.3	165.4	133.7	85.9	64.9	52.1	43.9	30.4	25.6	13.3	5.80	2.85
1.60V/cell	374.6	308.2	230.5	169.8	137.8	88.7	66.7	53.4	45.2	31.1	26.1	13.6	5.90	2.87

**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

**CBB Battery Technology Co.,Ltd.**

RM 504,55 Hanxing Zhong Road, Zhongcun, Panyu, Guangzhou 511495, Guangdong, China  
Tel: 0086-20-84888946 Fax: 0086-20-62824569

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www.cbb-battery.com