

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

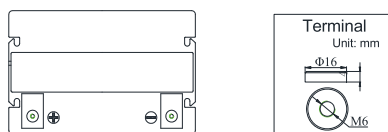
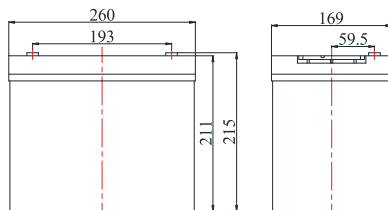
APPLICAITONS

- 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)	260±1
Width(mm)	169±1
Height(mm)	211±1
Total Height(mm)	215±1
Weight(KGS)	23.5±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@4.02A,10.50V)		80.00Ah
Capacity @25°C	100 hour rate(0.863A,10.8V)	86.30Ah
	10 hour rate(7.50A,10.8V)	75.00Ah
	5 hour rate (13.1A,10.5V)	65.50Ah
	1 hour rate (45.6A,9.6V)	45.60Ah
Full Charged Battery@25°C		≤6.6mΩ
Ambient Temperature	Discharge	-30°C~60°C
	Charge	-30°C~60°C
	Store	-30°C~60°C
Max. Discharge Current @25°C		800A(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 20.0A Voltage 13.6-13.8V
	Cycle Use	Initial Charging Current Less than 20.0A Voltage 14.4-14.9V

BATTERY DISCHARGE TABLE

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

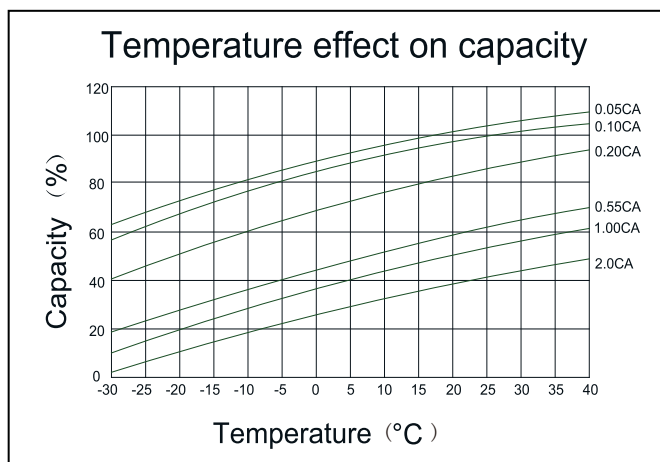
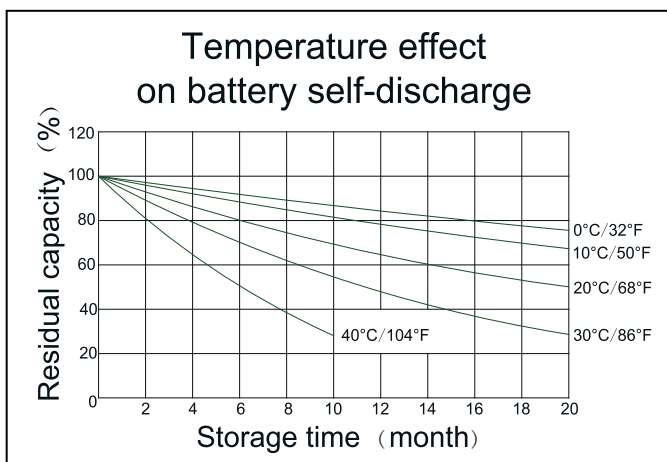
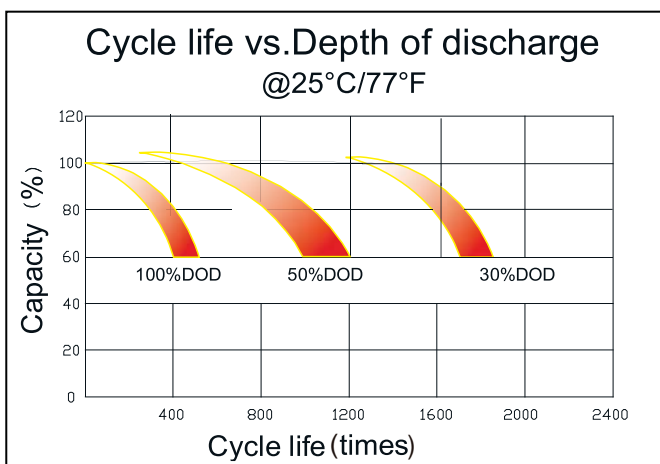
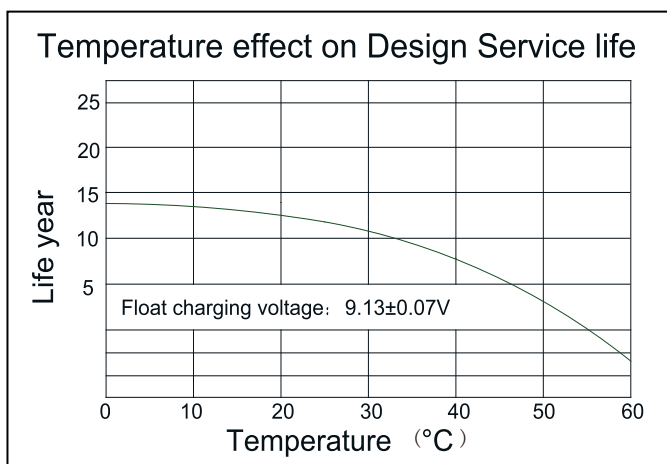
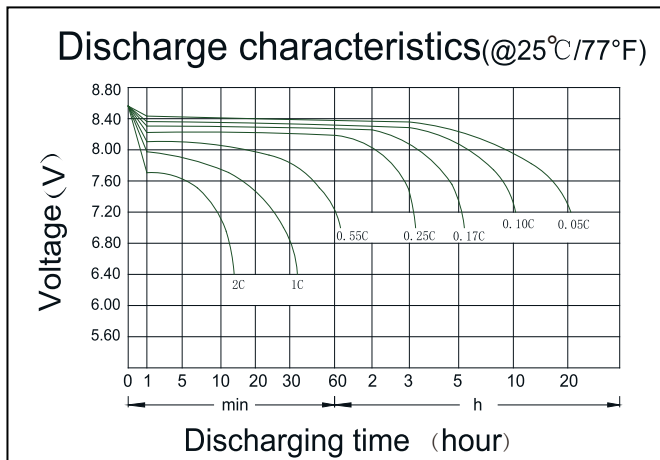
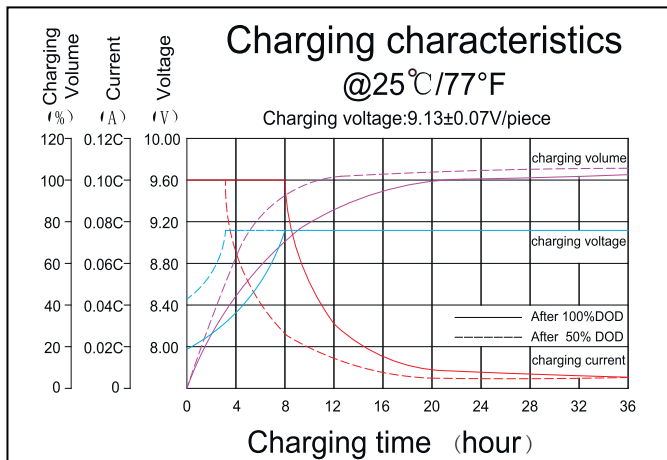
F.V/Time	15min	20min	30min	45min	1h	2h	3h	4h	5h	8h	10h	20h	48h	100h
1.80V/cell	94.6	78.0	59.4	46.3	37.2	24.5	18.3	14.9	12.6	8.80	7.50	3.94	1.74	0.863
1.75V/cell	104.9	85.4	63.9	49.5	40.1	25.6	19.3	15.6	13.1	9.06	7.66	4.02	1.77	0.871
1.70V/cell	114.6	93.3	70.2	51.7	42.4	27.0	20.3	16.2	13.6	9.40	7.90	4.10	1.79	0.882
1.65V/cell	121.4	98.4	74.0	54.9	43.8	27.9	21.0	16.8	14.1	9.65	8.08	4.20	1.83	0.895
1.60V/cell	133.0	106.9	78.6	56.9	45.6	29.1	21.7	17.3	14.6	9.91	8.26	4.29	1.86	0.903

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	175.1	145.6	112.1	88.4	71.7	47.4	35.6	29.1	24.7	17.4	14.9	7.83	3.48	1.72
1.75V/cell	191.8	157.9	119.6	94.0	77.0	49.5	37.5	30.3	25.6	17.9	15.2	7.98	3.53	1.73
1.70V/cell	206.7	171.2	130.6	97.8	81.1	52.0	39.2	31.5	26.6	18.5	15.7	8.13	3.57	1.75
1.65V/cell	218.0	180.0	137.1	103.4	83.6	53.7	40.6	32.6	27.5	19.0	16.0	8.32	3.63	1.78
1.60V/cell	234.1	192.6	144.1	106.1	86.1	55.5	41.7	33.4	28.3	19.5	16.3	8.50	3.68	1.79

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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