

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

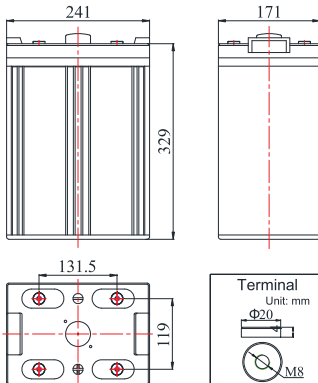
APPLICAITONS

- 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)	241±1
Width(mm)	171±1
Height(mm)	329±1
Total Height(mm)	365±1
Weight(KGS)	31.2±3%



COMPLIED STANDARDS

IEC60896-21/22	JISC8704
YD/T1360	BS6290 Part 4
GB/T 19638	UL1989

TECHNICAL SPECIFICATIONS



Nominal Voltage		2V (1 cell per unit)
Design Floating Life @25°C		18 Years
Nominal Capacity @25°C(10 hour rate@50.0A,1.8V)		500.0Ah
Capacity @25°C	100 hour rate(5.75A,1.8V)	575.0Ah
	20 hour rate(26.8A,1.8V)	536.0Ah
	5 hour rate (87.9A,1.75V)	439.5Ah
	1 hour rate (294.0A,1.6V)	294.0Ah
Full Charged Battery@25°C		≤0.57mΩ
Ambient Temperature	Discharge	-30°C~60°C
	Charge	-30°C~60°C
	Store	-30°C~60°C
Max. Discharge Current @25°C		2500A(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 75A Voltage 2.23-2.27V
	Cycle Use	Initial Charging Current Less than 75A Voltage 2.33-2.37V

BATTERY DISCHARGE TABLE

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

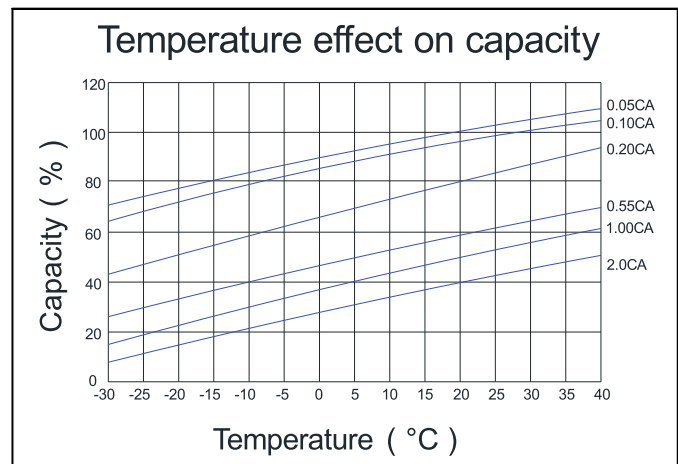
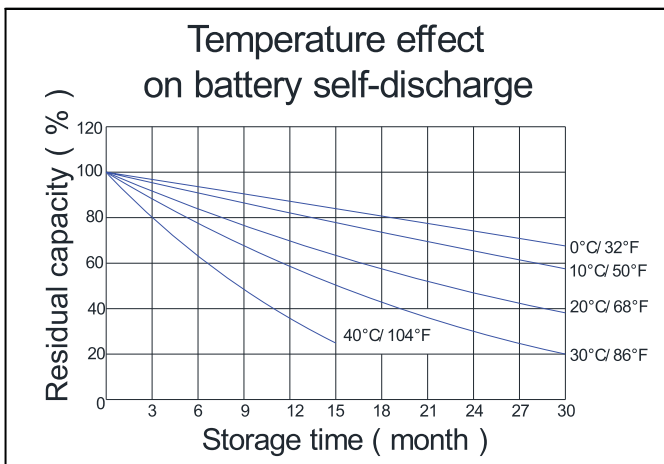
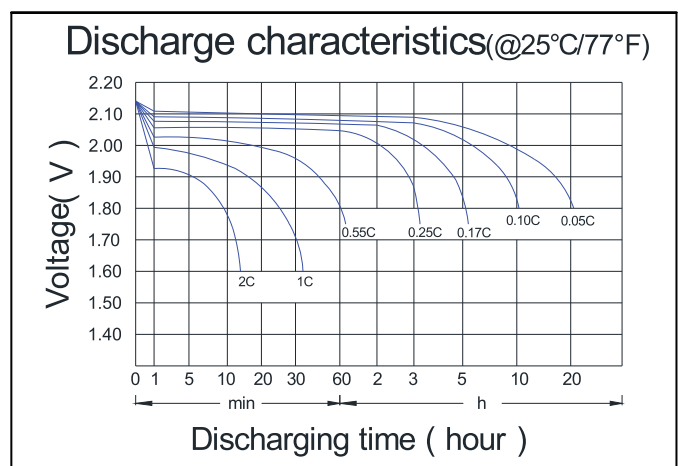
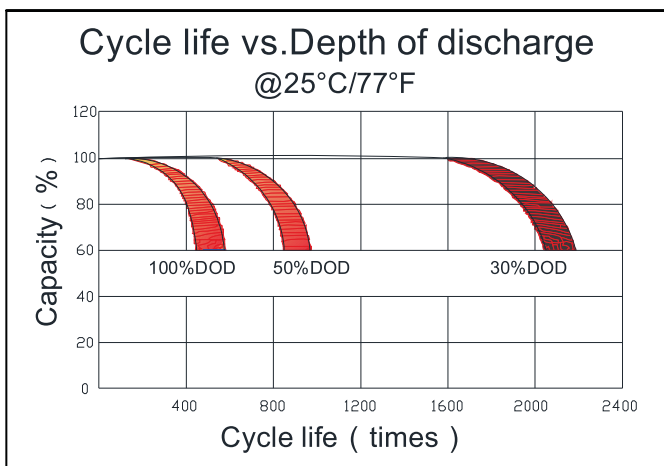
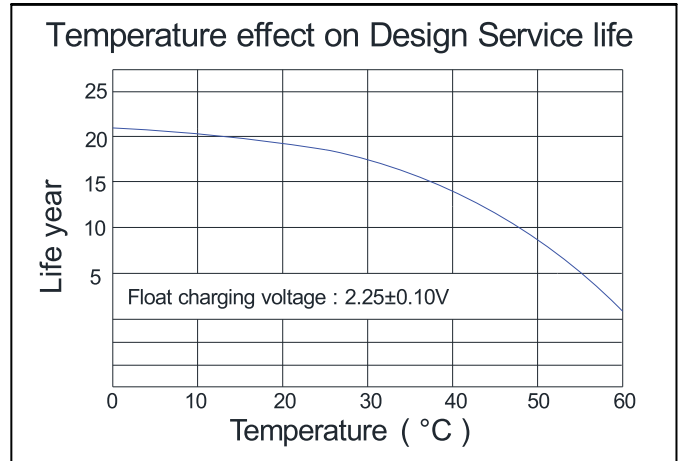
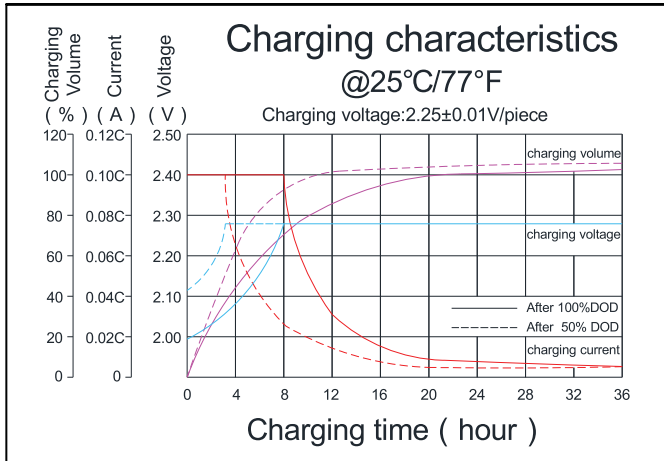
F.V/Time	30min	45min	1h	2h	3h	4h	5h	8h	10h	20h	48h	100h
1.80V/cell	393.7	306.4	256.8	159.3	122.2	100.4	85.2	60.1	50.0	26.8	11.6	5.75
1.75V/cell	417.0	322.1	267.9	165.3	126.3	103.8	87.9	61.2	50.8	26.9	11.8	5.80
1.70V/cell	437.5	334.3	277.3	170.3	129.7	106.1	89.4	62.2	51.3	27.2	12.0	5.88
1.65V/cell	458.9	348.8	287.2	174.3	132.8	108.3	91.3	63.1	52.1	27.6	12.1	5.95
1.60V/cell	474.6	358.1	294.0	178.0	135.2	109.8	92.6	63.9	52.8	27.9	12.2	6.01

Discharge Constant Power per Cell (Watts at 25°C)

F.V/Time	30min	45min	1h	2h	3h	4h	5h	8h	10h	20h	48h	100h
1.80V/cell	746.4	585.2	493.9	308.3	237.6	196.2	167.2	118.9	99.3	53.2	23.1	11.5
1.75V/cell	784.4	611.7	513.1	318.6	245.1	202.2	171.8	120.8	100.7	53.4	23.5	11.6
1.70V/cell	816.1	630.3	528.3	326.9	250.6	205.7	174.2	122.6	101.7	54.0	23.7	11.7
1.65V/cell	849.7	654.1	544.1	333.1	255.6	209.4	177.3	124.0	103.0	54.7	24.0	11.8
1.60V/cell	869.9	665.1	553.0	338.2	258.7	211.4	179.1	125.4	104.2	55.2	24.2	11.9

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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