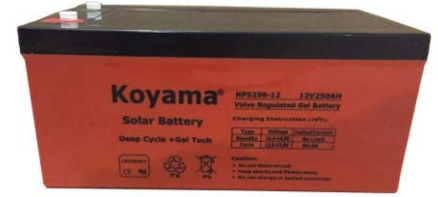


## GENERAL FEATURES

- 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

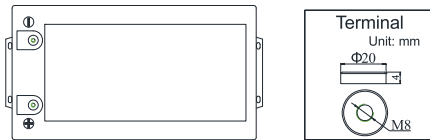
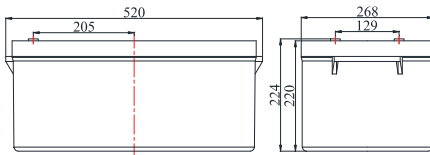
## APPLICAITONS

- 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)	520±1
Width(mm)	268±1
Height(mm)	220±1
Total Height(mm)	224±1
Weight(KGS)	70.3±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@25.0A,10.80V)		250.0Ah
Capacity @25°C	100 hour rate(2.88A,10.8V)	288.0Ah
	20 hour rate(13.10A,10.8V)	262.0Ah
	5 hour rate (43.6A,10.5V)	218.0Ah
	1 hour rate (151.9A,9.6V)	151.9Ah
Full Charged Battery@25°C		≤2.8mΩ
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 50A Voltage 13.6-13.8V
	Cycle Use	Initial Charging Current Less than 50A Voltage 14.4-14.9V

## BATTERY DISCHARGE TABLE

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

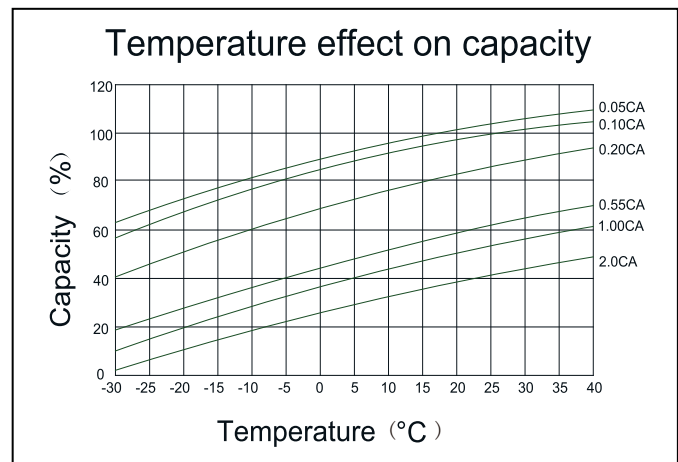
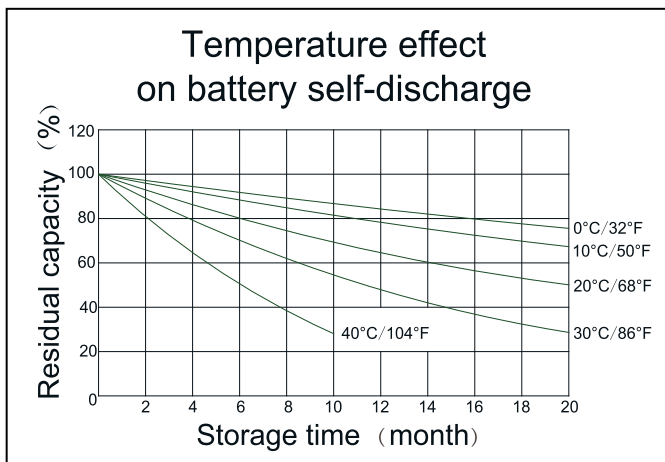
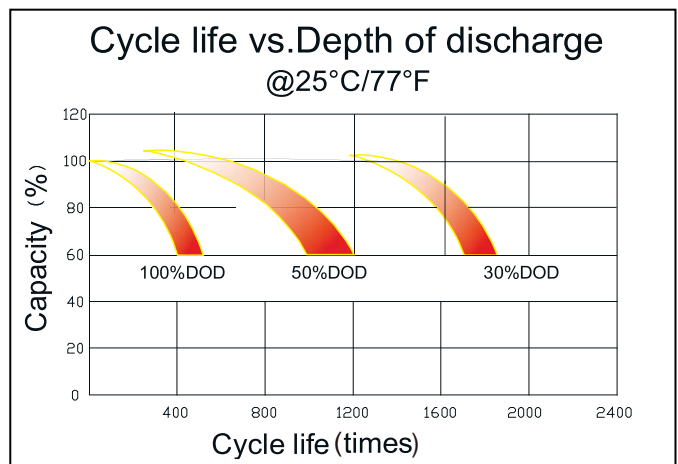
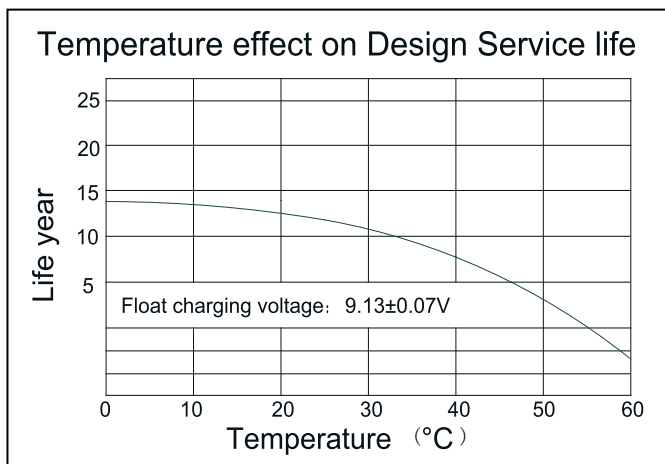
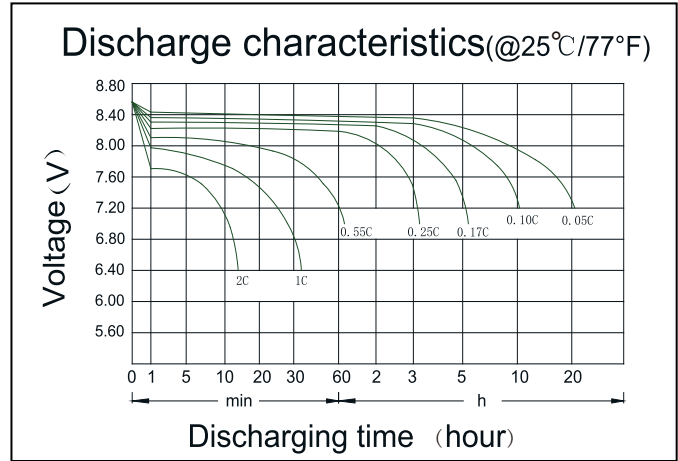
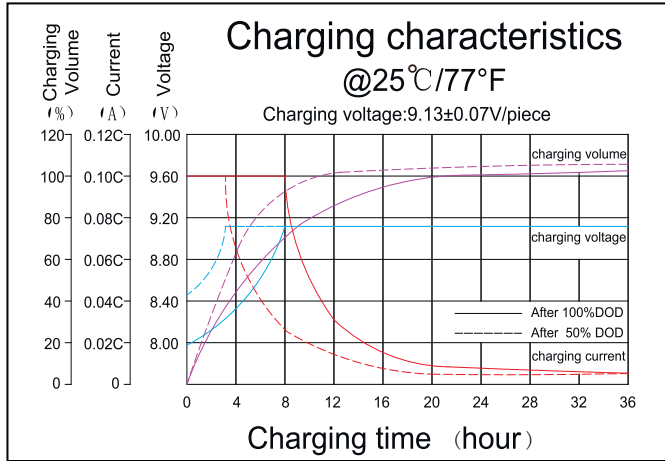
F.V/Time	15min	20min	30min	45min	1h	2h	3h	4h	5h	8h	10h	20h	48h	100h
1.80V/cell	315.3	259.9	198.0	154.3	124.0	81.5	61.0	49.7	42.0	29.3	25.0	13.1	5.82	2.88
1.75V/cell	349.7	284.7	213.0	165.0	133.7	85.4	64.4	51.8	43.6	30.2	25.5	13.4	5.91	2.90
1.70V/cell	382.1	310.9	234.0	172.3	141.3	90.0	67.5	54.0	45.4	31.3	26.3	13.7	5.98	2.94
1.65V/cell	404.6	328.1	246.5	183.0	146.1	93.1	70.0	55.9	47.0	32.2	26.9	14.0	6.09	2.98
1.60V/cell	443.5	356.3	262.0	189.7	151.9	97.0	72.3	57.7	48.6	33.0	27.5	14.3	6.19	3.01

### 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	583.5	485.2	373.6	294.6	239.2	158.0	118.8	97.0	82.4	58.1	49.6	26.1	11.6	5.74
1.75V/cell	639.4	526.5	398.6	313.3	256.7	164.9	125.0	101.0	85.3	59.6	50.7	26.6	11.8	5.78
1.70V/cell	688.9	570.7	435.5	326.1	270.3	173.4	130.7	105.1	88.6	61.8	52.2	27.1	11.9	5.85
1.65V/cell	726.7	600.1	456.9	344.7	278.6	178.9	135.3	108.5	91.5	63.4	53.3	27.7	12.1	5.93
1.60V/cell	780.4	642.1	480.2	353.7	287.0	184.9	138.9	111.4	94.3	64.9	54.4	28.3	12.3	5.97

**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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