Koyama® Deep-Cycle AGM Battery DC330-6

GENERAL FEATURES

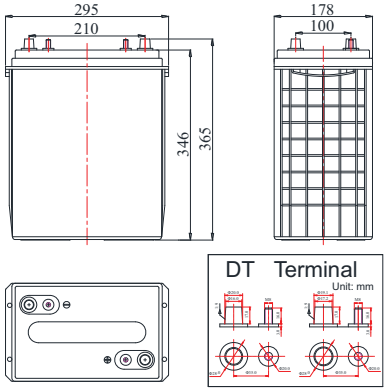
- Environmentally friendly
- Thick plate with high Tin low Calcium alloy
- High Reliability and Good Quality
- Deep Discharge Recovery
- High Power Density
- Long Service Life, in Float or Cyclic

APPLICATIONS

- Solar & Wind energy system
- Cable TV Systems
- Telecom systems
- Wheel chair & Golf Car
- Marine Equipment
- Railway Systems
- Emergency Power System

DIMENSIONS & WEIGHT

Length(mm)	295±1
Width(mm)	178±1
Height (mm)	346±1
Total Heig ht(mm)	365±1
Weight(kg)	46.6±3%



COMPLIED STANDARDS

IEC 60896-21/22	JIS C8704
YD/T799	BS6290 part4
GB/T 19638	UL 1989

TECHNICAL SPECIFICATIONS

Nominal Voltage		6V(3 cells per unit)
Design Floating Life @ 25℃		12 Years
Nominal Capacity @25 ℃(20 hour rate @16.50A,5.25V)		330Ah
Capacity @25℃	10 hour rate (30.03A,5.40V)	300.3Ah
	5 hour rate (52.50A,5.25V)	262.5Ah
	1 hour rate (183.5A,4.80V)	183.5Ah
Internal Resistance	Full Charged Battery@25 ℃	**≤2.2mΩ**
Ambient Temperature	Discharge	-20℃~50℃
	Charge	-20℃~50℃
	Storage	-20℃~50℃
Max.Discharge Current @25℃		2000A(5s)
Capacity affected by Temper ature (10 hr Capacity)	40℃	102%
	25℃	100%
	0℃	85%
	-15℃	65%
Self-Discharge@25 ℃ per Month		3%
Charge (Constant Voltage) @25 ℃	Standby Use	Initial Charging Current Less than 59.4A Voltage 6.8-6.9V
	Cycle Use	Initial Charging Current Less than 59.4A Voltage 7.2-7.45V

BATTERY DISCHARGE TABLE

Discharge Con stant Current per Cell (Amperes at 25℃)

F.V/Time	15min	30min	45min	1h	2h	3h	5h	8h	10h	20h	100h
1.60V	424.7	271.3	199.3	183.5	116.5	81.8	55.4	36.6	32.67	17.49	3.96
1.67V	417.1	266.3	195.7	179.9	114.2	80.2	54.5	36.0	32.01	17.16	3.89
1.70V	409.2	261.4	192.1	176.6	112.2	78.9	53.5	35.3	31.35	16.83	3.80
1.75V	401.6	256.4	188.4	173.3	109.9	77.2	52.5	34.7	31.02	16.50	3.73
1.80V	386.1	246.5	181.2	166.7	105.6	74.3	50.5	33.3	30.03	16.34	3.66

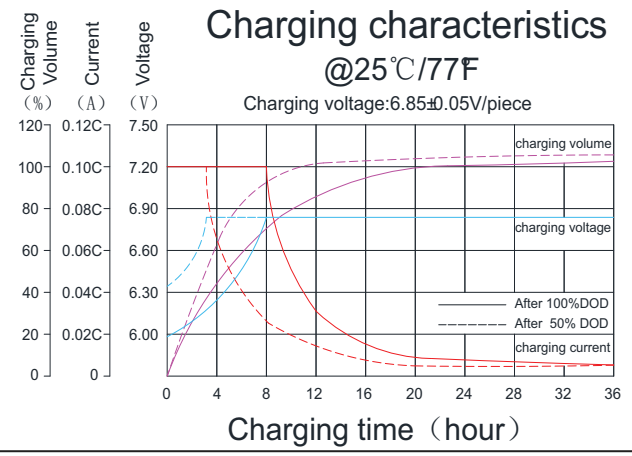
Disc harge Con stant Power per Cell (Watts at 25℃)

F.V/Time	15min	30min	45min	1h	2h	3h	5h	8h	10h	20h	100h
1.60V	817.4	522.1	383.8	352.1	223.7	157.1	106.9	70.3	63.0	34.1	7.62
1.67V	802.6	512.5	376.5	345.8	219.8	154.4	104.9	69.3	61.7	33.4	7.46
1.70V	787.7	502.9	369.6	339.2	215.8	151.5	103.0	68.0	60.7	33.2	7.33
1.75V	772.9	493.4	362.7	333.0	211.5	148.5	101.0	66.7	59.4	32.7	7.19
1.80V	743.2	474.5	348.8	320.1	203.6	142.9	97.4	64.0	57.1	31.7	7.06

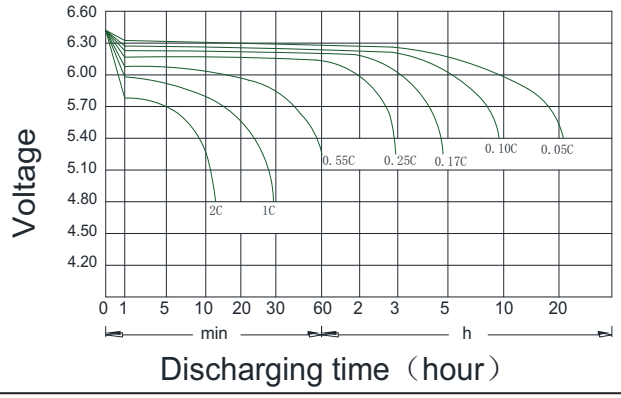
Note The above data are average values, and can be obtained within 3 charge/discharge cycles. These are not minimum values. Cell and battery designs/specifications are subject to modification without notice. Contact **CBB** for the latest information.

PERFORMANCE CHARACTERISTICS

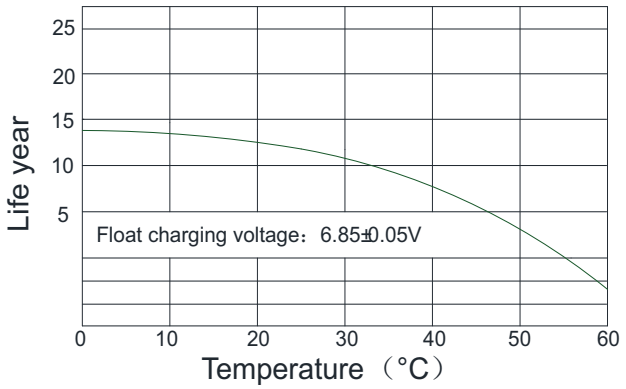
Charging characteristics @25℃/77℉



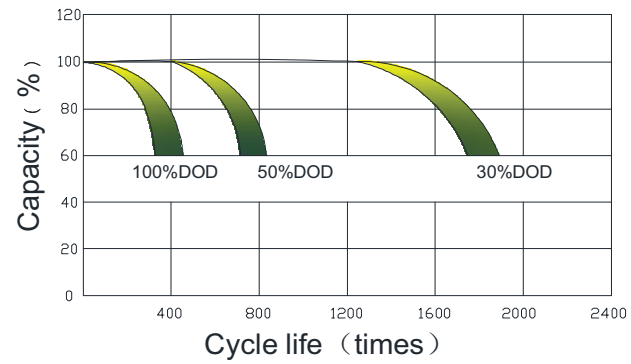
Discharge characteristics(@25℃/77℉)



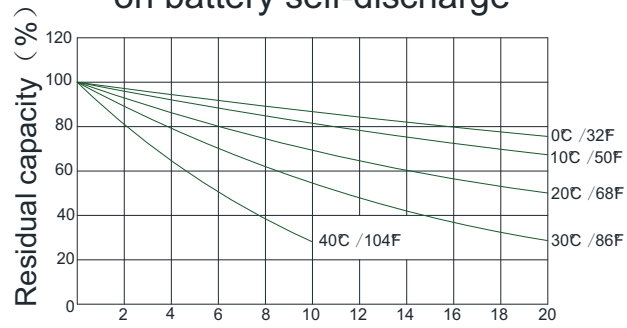
Temperature effect on Design Service life



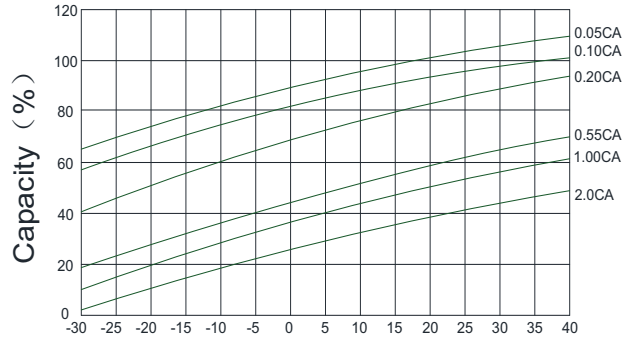
Cycle life vs.Depth of discharge @25℃/77℉



Temperature effect on battery self-discharge



Temperature effect on capacity



BATTERY CONSTRUCTION

Component	Positive plate	Negative plate	Container &Cover	Safety valve	Terminal	Separator	Electrol yte	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 DT(torque:10~12N.m)	Advanced AGM separator for high pressure cell design	Dilute high purity sulphuric acid	Two layers epoxy resin seal

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