TECHNICAL DATA SHEET

DAB12-55

Applications









CYCLIC

STATIONARY

SOLAR

55Ah Capacity

MARINE

Deep



The DAB series batteries are designed to have a large amount of stored current discharged between charging sessions, with very heavy non-porous battery plates to withstand repeated major discharging and charging cycle(deep cycle). The Deep-cycle batteries uses a different chemistry for the plates active paste material, and a slightly stronger electrolyte than normal battery electrolyte, which allows for a much longer life in deep cycle applications.

GENERAL FEATURES

- Able to operate at 60°C
- Integrated design to ensure the best uniformity and reliability
- Long life and high stability under high temp. environment (no air-con needed)
- Use super-C additives: Deep discharge recovery capability

APPLICATIONS

- > BTS Stations
- Solar & Wind energy system
- UPS system

TECHNICAL SPECIFICATIONS

Charge (Constant

Voltage) @25℃

- Telecom systems
- Wheel chair, Golf Car

150 9001

12V



AGM

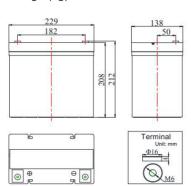


COMPLIED STANDARDS

IEC 60896-21/22 JIS C8704 YD/T1360 BS6290 part4 GB/T 19638 UL 1989

DIMENSIONS & WEIGHT

Length(mm)	229 ± 1
Width(mm)	$138\!\pm\!1$
Height(mm)	$208\!\pm\!1$
Total Heigth(mm)	212 ± 1
Weight(kg)	$16.0 \pm 3\%$



Non	12V(6 cells per unit)				
Design Flo	12~15 Years				
Nominal Capacity @25	Nominal Capacity @25°C (20 hour rate@2.75A,10.8V)				
	10hour rate	52.3Ah			
Capacity @25℃	5 hour rate	44.50Ah			
	1 hour rate	29.40Ah			
Internal Resistance	Full Charged Battery@25℃	Approx. 9.6mΩ			
	Discharge	-25℃~60℃			
Ambient Temperature	Charge	-25℃~60℃			
	Storage	-25℃~45℃			
Max Discha	Max Discharge Current@25° C				
C :	40℃	102%			
Capacity affected by	25℃	100%			
Temperature (10 hour)	0℃	90%			
(10 flour)	-15℃	70%			
Self-Dischar	3%				

Standby Use

Cycle Use



13.6-13.8V(-20mV/°C)

14.4-14.7V(-30mV/°C), max. Current: 12.40A

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DALLENT DISCHARGE TABLE

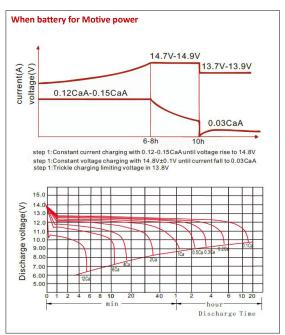
Discharge Constant Current per Cell (Amperes at 25°C)

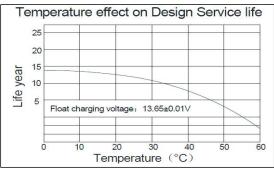
F.V/Time	15min	30min	45min	1h	2h	3h	5h	8h	10h	20h	100h
1.60V	70.8	45.2	33.2	30.6	19.4	13.6	9.2	6.1	5.45	2.92	0.66
1.67V	69.5	44.4	32.6	30.0	19.0	13.4	9.1	6.0	5.34	2.86	0.65
1.70V	68.2	43.6	32.0	29.4	18.7	13.1	8.9	5.9	5.23	2.81	0.63
1.75V	66.9	42.7	31.4	28.9	18.3	12.9	8.7	5.8	5.17	2.75	0.62
1.80V	64.4	41.1	30.2	27.8	17.6	12.4	8.4	5.6	5.01	2.72	0.61

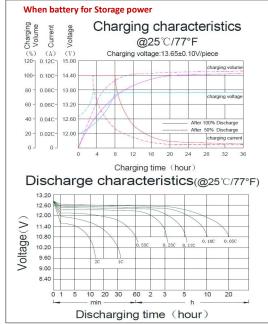
Discharge Constant Power per Cell (Watts at 25°C)

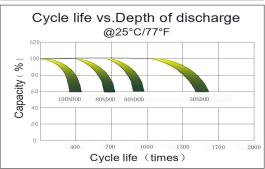
F.V/Time	15min	30min	45min	1h	2h	3h	5h	8h	10h	20h	100h
1.60V	136.2	87.0	64.0	58.7	37.3	26.2	17.8	11.7	10.5	5.7	1.27
1.67V	133.8	85.4	62.8	57.6	36.6	25.7	17.5	11.6	10.3	5.6	1.24
1.70V	131.3	83.8	61.6	56.5	36.0	25.2	17.2	11.3	10.1	5.5	1.22
1.75V	128.8	82.2	60.4	55.5	35.3	24.8	16.8	11.1	9.9	5.4	1.20
1.80V	123.9	79.1	58.1	53.4	33.9	23.8	16.2	10.7	9.5	5.3	1.18

PERFORMANCE CHARACTERISTICS



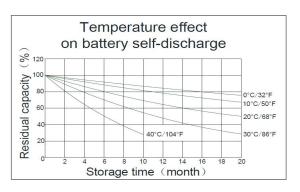


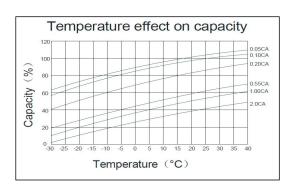




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BATTERY CONSTRUCTION

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 resistancer	Female Copper Insert M8(torque:10 ~12N.m	Advanced AGM separator for high pressure cell design	Dilute high purity sulphuric acid	Two layers epoxy resin seal