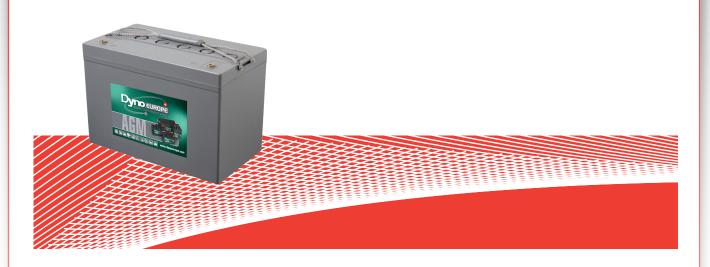
TECHNICAL DATA SHEET

DAB12-100

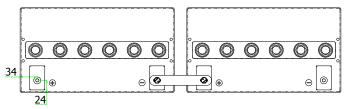


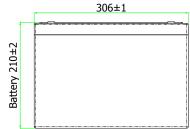
Specifications

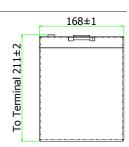
	Dimensions mm - kg							Dimensions Inches - lbs						Cold Cranking Amps		
			Height	Height	Height				Height	Height	Height		20°C	0°C	-18°C	
	Length	Width	Auto	Insert	Battery	Weight	Length	Width	Auto	Insert	Battery	Weight	(68°F)	(32°F)	(0°F)	
DAB12-100	306	168	229	212	211	30.4	12.03	6.61	9.02	8.35	8.31	67.03	861	751	546	

			Reserve Capacity - Mins						Capacity - Ampere Hour*						
	Volts	Thread size mm	75 Amps	25 Amps	20 Amps	15 Amps	8 Amps	100 Hr	48 Hr	20 Hr	10 Hr	5 Hr	3 Hr	1 Hr	
DAB12-100	12	8	46	178	236	332	689	124	116	108	94.9	83.9	75.6	61.3	

Dimensions







Applications









CYCLIC STATIONARY

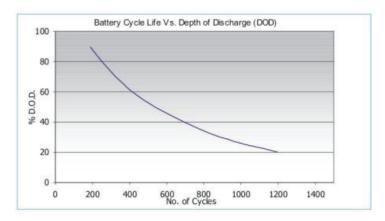
SOLAR

MARINE

TECHNICAL DATA SHEET

DAB12-100

Charging



 $\begin{array}{lll} \mbox{Nominal voltage} & 6 \& 12 \mbox{ volts} \\ \mbox{Design life} & 12 \mbox{ Years @ 20°C} \\ \mbox{Operating temperature} & -10 °C \mbox{ to } 45 °C \end{array}$

Grid alloy Calcium / Tin lead alloy

Plates Flat pasted

Separator Absorbant Glass Mat
Active Material Very high purity lead
Case and cover ABS (VO on request)
Charge voltage Float 2.27 - 2.30 VPC @ 20°C

Cycling 2.40 @ 20°C

Max. 2.4 VPC Max ripple 3.5%

Charging V

Electrolyte Sulphuric acid analytical grade

purity

CHARGING CHARACTERISTICS

Floating - The optimum float voltage for a battery is temperature dependant, at 15 - 24° C the recommended value is 2.27 - 2.30V. It is recommended that battery installation sites are temperature controlled, however float voltage can be increased or decreased to compensate for temperature variations. Adjustment is calculated at +/- 3 mV per degree C.

Operating Temperature	Recommended Applied Float Voltage VPC						
0-9	2.33-2.35						
10-14	2.30-2.33						
15-19	2.27-2.30						
20-24	2.27-2.30						
25-29	2.25-2.27						
30-34	2.23-2.25						
35-40	2.21-2.23						

The most suitable charging method for battery life and performance is the constant voltage method with a limited initial current, usually limited to a maximum of $C_{20}/4$. For cyclic use we specify a short constant current phase at the end of normal charging, consult us for further details.

Charging - To obtain maximum cycle life from your battery, it is important that a suitable charging profile is used. For information about our range of chargers and our recommended charging profile, please contact us.

