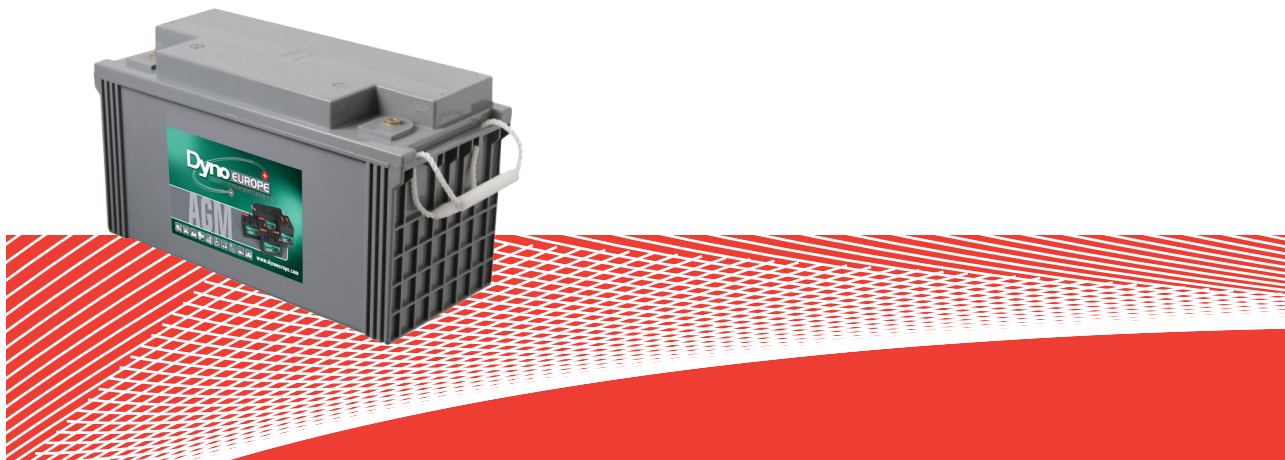


# TECHNICAL DATA SHEET

## DAB12-120



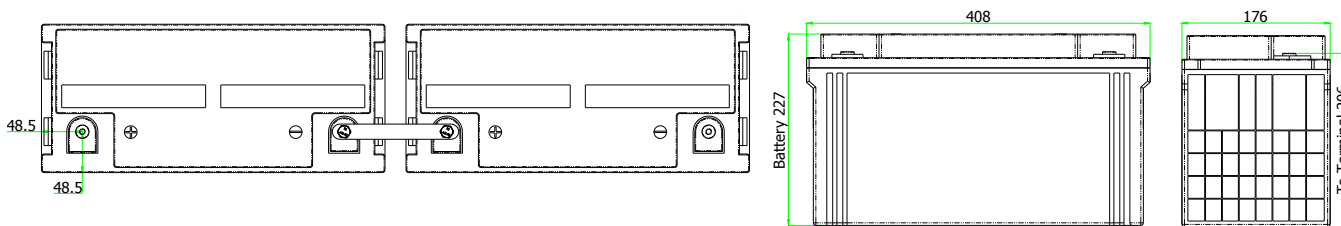
### Specifications

|                  | Dimensions mm - kg |       |             |               |                |        | Dimensions Inches - lbs |       |             |               |                |        | Cold Cranking Amps |            |             |
|------------------|--------------------|-------|-------------|---------------|----------------|--------|-------------------------|-------|-------------|---------------|----------------|--------|--------------------|------------|-------------|
|                  | Length             | Width | Height Auto | Height Insert | Height Battery | Weight | Length                  | Width | Height Auto | Height Insert | Height Battery | Weight | 20°C (68°F)        | 0°C (32°F) | -18°C (0°F) |
| <b>DAB12-120</b> | 409                | 177   | -           | 209           | 227            | 37     | 16.10                   | 6.97  | -           | 8.21          | 8.94           | 81.59  | 963                | 877        | 683         |

|                  | Volts | Thread size mm | Reserve Capacity - Mins |         |         |         |        | Capacity - Ampere Hour* |       |       |       |      |      |      |
|------------------|-------|----------------|-------------------------|---------|---------|---------|--------|-------------------------|-------|-------|-------|------|------|------|
|                  |       |                | 75 Amps                 | 25 Amps | 20 Amps | 15 Amps | 8 Amps | 100 Hr                  | 48 Hr | 20 Hr | 10 Hr | 5 Hr | 3 Hr | 1 Hr |
| <b>DAB12-120</b> | 12    | 8              | 63                      | 231     | 295     | 424     | 886    | 147                     | 138   | 128   | 117   | 109  | 95.6 | 77.1 |

### Dimensions



### Applications



**CYCLIC**



**STATIONARY**

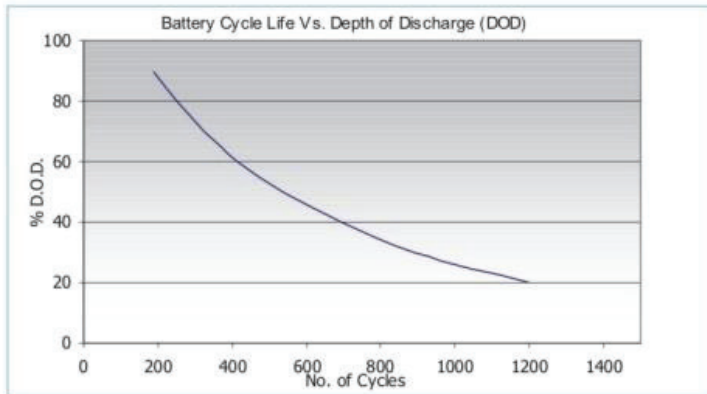


**SOLAR**



**MARINE**

### Charging



|                       |   |
|-----------------------|---|
| Nominal voltage       | 6 & 12 volts  |
| Design life           | 12 Years @ 20°C   |
| Operating temperature | -10 °C to 45°C  |
| 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<br>Cycling 2.40 @ 20°C<br>Max. 2.4 VPC Max ripple 3.5% |
| Electrolyte           | Charging V<br>Sulphuric acid analytical grade<br>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.