# TECHNICAL DATA SHEET

## DAB12-70DEV

### Applications

CYCLIC STATIONARY SOLAR MARINE

BATTERY 55 AGM

### DIMENSIONS

| | | | |
|---|---|---|---|
| Lenhgt (mm): | 278 | Lead weight (kg): | 15,0 |
| Width(mm): | 175 | Electrolyte (kg): | 4,2 |
| Height (mm): | 190 | | |
| Theight (mm): | 190 | Total weight (Kg): | 20,5 |

### PERFORMANCE

| | |
|---|---|
| Voltage (V): | 12 |
| Capacity $C_{100}/C_{20}/C_5$ (Ah): | 75/70/55 |
| Cycles IEC/EN 60254 | 400 |
| UPS (15min/10V) (W/bat) | 1300 |
| CCA -18$^0$C EN (A): | 760 |

### TECHNOLOGY

| | |
|---|---|
| Type: | AGM |
| Grid type (poz/neg): | Casted/Casted |
| Grid alloy (poz/neg): | Ca/Ca |
| Separator: | GM |
| Electrolyte (g/cm$^3$): | 1,30 |

### CONTAINER

| | |
|---|---|
| Type: | L3 |
| Colour: | Black |
| Hold down: | B13 |

### COVER

| | |
|---|---|
| Type: | Sealed |
| Colour: | Black |
| Polarity: | 0 |
| Terminal: | 1 |
| Filter: | Yes |

### PLUGS

| | |
|---|---|
| Type: | M18-VR |
| Colour: | Black |

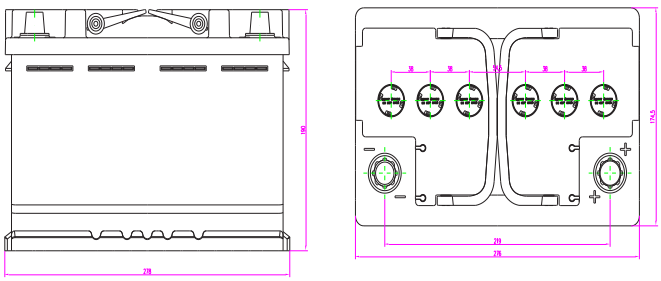
### HANDLES

| | |
|---|---|
| Type: | Kamina |
| Colour: | Black |

### PACKAGING

| | | | |
|---|---|---|---|
| Type: | EUR | Pc./pallet: | 48 |
| | CNT | Pc./pallet: | 80 |

### DRAWING



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BATTERY SUPPLIES

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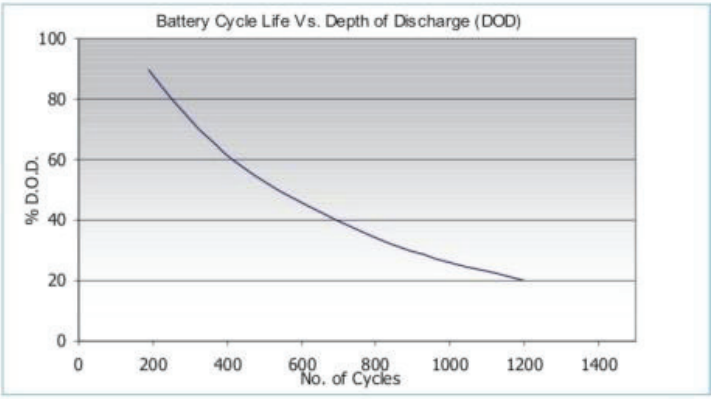
## Charging




| | |
|---|---|
| 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%<br>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.

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