



## AGM DEEP CYCLE

SEALED MAINTENANCE FREE

### PHYSICAL CHARACTERISTICS

|                | SI Units |
|----------------|----------|
| Length         | 513 mm   |
| Width          | 189 mm   |
| Height         | 223 mm   |
| Typical weight | 40,70 kg |



### Specifications:

- Nominal voltage: 12 V
- Rated capacity: 140 Ah (at  $C_{20}$  and 25 °C)
- Plate technology: Calcium - Calcium
- Separator: AGM
- Electrolyte: Sulphuric acid; analytical grade
- Standards: IEC 61056; IEC 61427; IEC 60896
- Case / Lid material: Polypropylene
- Lid type: Kamina
- Terminal type: Conical
- Carrying Handles: Available
- Cycles at 50% DoD: up to 500 cycles
- PVES applications: up to 1000 cycles

### Performance characteristics:

#### BATTERY DISCHARGE PERFORMANCE AT 25°C

| Discharge rate           | $C_5$ (5 h) | $C_{10}$ (10 h) | $C_{20}$ (20 h) | $C_{100}$ (100 h) | Capacity at 25 A |
|--------------------------|-------------|-----------------|-----------------|-------------------|------------------|
| End of discharge voltage | 10.20 V     | 10.80 V         | 10.50 V         | 10.80 V           | 10.50 V          |
| Discharge capacity       | 110 Ah      | 125 Ah          | 140 Ah          | 150 Ah            | 260 min          |

#### Temperature correction factor of discharge $C_5$ (5 h) capacity

| Temperature       | -20 °C | -10 °C | 0 °C | 10 °C | 20 °C | 40 °C |
|-------------------|--------|--------|------|-------|-------|-------|
| Correction factor | 0.50   | 0.70   | 0.83 | 0.91  | 0.97  | 1.04  |

#### BATTERY CHARGE CONDITIONS

Charging profiles: WaW0 and IU1a Charge factor: 1.10 – 1.20

