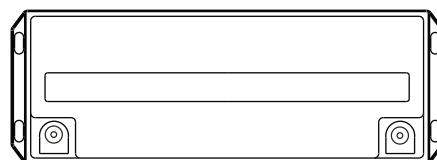
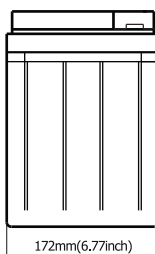


Standard Terminal Dimensions
(Optional terminal please check terminal information page)



Invertek SMF

range (deep cycle Lead-Carbon) is use function activated carbon and graphene as carbon materials , with heavy strong grids that is made of a different chemical for the plates active paste material and a electrolyte stronger slightly than normal battery electrolyte. It enhances a superior performance of high power output and more than 2000 cycles life at 80%DOD, it is more suitable for application of PSOC.

Applications

- Solar Power Generation
- Energy Storage System
- Wheel Chair
- Wind Energy Storage System
- Home Energy Storage System
- Smart power & micro-grid System
- Generation and Hybrid Energy
- Medical Equipment
- Distributed Energy Storage System

General Features

- Better discharge characteristics than normal VRLA batteries.
- Non-Spillable construction design.
- ABS containers and covers(UL94HB, UL94V-0) optional.
- Safety valve installation for explosion proof.
- Higher safety & reliable construction.
- Extra durability and deep cycle ability for heavy demand applications.
- Low self discharge characteristic.
- Flexibility design for multiple install positions.

Construction

- ComponentRaw material
- PositiveLead dioxide
- NegativeLead
- ContainerABS
- CoverABS
- SealantEpoxy Resin
- Safety valveEPDR
- TerminalLead
- SeparatorFiber glass
- ElectrolyteSulfuric acid

| Battery Model | SMF 150AH | | | |
|----------------------------------|---|-------------------|-----------------------|-----------------|
| Designed Cycle Life | > 2000 cycles 80% DOD @ -0.5CA to 9.6V | | | |
| Capacity(25°C) | 20HR(7.5A,1.75V) | 10HR(13.5A,1.75V) | 5HR(23.0A,1.75V) | 1HR(77A,1.75V) |
| | 150Ah | 135Ah | 115Ah | 77Ah |
| Dimensions | Length | Width | Height | Total Height |
| | 485mm(19.1inch) | 172mm(6.77inch) | 240mm(9.45inch) | 240mm(9.45inch) |
| Approx. Weight | 45Kg (99.2 lbs) | | | |
| Internal Resistance | Full charged at 25°C: 0.004 Ohm | | | |
| Self Discharge | 3% of capacity declined per month at (25°C) | | | |
| Capacity Affected by Temp.(20HR) | 40°C | 25°C | 0°C | -15°C |
| | 102% | 100% | 85% | 65% |
| Charge Voltage(25°C) | Cycle use | | Float use | |
| | 14.4-15V(-30mV/ °C), max. Current: 37.5A | | 13.6-13.8V(-20mV/ °C) | |