



TECHNICAL DATA SHEET

SEACDB-1-5KW-SP-10M-PE

AC INPUT PROTECTION BOX

Product Description:

Photovoltaic AC Protection Board-Wall Mounted (surface - type) IP65. This product is designed to provide protection between an inverter and the utility grid. Intended for use with single phase high voltage AC connection up to 1000Vac and a Max Current of 63A. This product caters for 1 input and 1 output. Included is a 1000V Type 1&2 AC Surge protective device –providing protection. For ease of installation, connection is via compression glands for input and output. A M6 Earth stud is Provided for earth connection. AC Isolation is achieved via a 63A AC Miniature circuit breaker.



Technical Datasheet

| Item Number | SEACDB-1-5KW-SP-10M-PE |
|--|------------------------------------|
| Max. Open Circuit Voltage Voc* | 1000Vac |
| Max Input Current | 63A |
| Max Output Current | 63A |
| AC Isolation/ Protection Device | 2P-63A |
| Number of Inputs | 1 |
| Number of Outputs | 1 |
| AC Connection Input | Compression Gland |
| AC Connection Output | Compression Gland |
| Earth Connection | M6 Earth Stud |
| Breather Plug (M12) | Incorporated |
| Surge Protection Device** | Type 2 |
| Nominal discharge current (8/20 μ s) [(AC+/AC-) --> PE] (In) | 20kA |
| Max. discharge current (8/20 μ s) [(AC+/AC-) --> PE] (Imax) | 40kA |
| Operating state / fault indication | Green / Red |
| Enclosure | RAL7032 Glass Reinforced Polyester |
| IP Rating | IP65 |
| Double Insulated | Yes |
| Dimension (H X W X D) | 600 x 400 x 200mm |
| UV Protection | YES |
| Halogen Free | YES |
| Resistance to Impact | IK08 |
| Glow Wire Resistance- Enclosure Only | 650 °C |
| Max. Operating Voltage rating of enclosure | 1000Vac / 1500Vdc |
| Assembly General Operating Temperature | -10°C to +40°C |

Notes:

- * Please co-ordinate Max open circuit voltage of grid with the inverter MPPT Max Voc.
- ** SPD Type 2 and Type 1 & 2- according to EN 50539-11

NB: All equipment to be installed and operated by Qualified Personnel only.

