



## **TECHNICAL DATA SHEET**

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

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-ME
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
<b>Surge Protection Device**</b>	<b>Type 2</b>
Nominal discharge current (8/20 $\mu$ s) [(AC+/AC-) --> PE] (In)	20kA
Max. discharge current (8/20 $\mu$ s) [(AC+/AC-) --> PE] (Imax)	40kA
Operating state / fault indication	Green / Red
Enclosure	Metal Enclosure
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.**

