

AC Input Protection Box

ACDB-250A-2000A-8-1-1

(ACDB-250A-2000A-8-1-0 WITHOUT POWER METER)

For use with 8 x Solis 110kW inverter



- IP65
- Mild steel
- B26 Orange

- This product is designed to provide protection between 8 x Solis 110kW inverter (or equivalent alternative) and the utility grid
- The AC protection box is designed to protect the input to the inverter with the built in AC surge protection device and to protect the inverter from potential cable fault that may occur between the output of the inverter and the point of common coupling with the grid.
- The AC combiner board is also fitted with a power quality meter that displays information about the system such as grid voltage, grid frequency, phase and system current (inverter output), power factor, active and reactive power values.
- The system can also be ordered without the power quality meter, although for commercial applications the information available from the power meter is of great use in analyzing system performance
- The enclosure provides excellent protection against the elements and is UV stabilized.
- Pre-wired internal switchgear improves the system installation time.

Technical Data

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|--|------------------------|-------------------------|
| Item Number | | ACDB-250A-2000A-8-1 |
| Inverter Connection | | 5 Wire-L1-L1-L3-N-E |
| Recommended inverter cable size (Inverter input) | | 95mm ² /Core |
| Circuit breaker current rating – Inverter Input | Non-Adjustable | 250A |
| Circuit breaker current rating – Main Output | Non-Adjustable | 2000A |
| Number of Inverter inputs | | 8 |
| Number of Outputs | | 1 |
| Enclosure material | | Mild Steel |
| Enclosure material thickness | | 1.6mm |
| Enclosure Colour | | B26 Orange |
| Mounting | Floor | Floor mounted |
| Door opening | Hinge on side | Lever Lock |
| Internal cover plate | White removable | Yes |
| Internal components pre-wired | | Yes |
| Panel AC fault level | | 10kA |
| System voltage | | 400V |
| IP Rating | | IP65 |
| Earth stud | | Yes |
| Dimensions | Height/Width/Depth(mm) | 2100 x 1200 x 600 |

NB: All equipment to be installed and operated by qualified personnel only

