

## **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



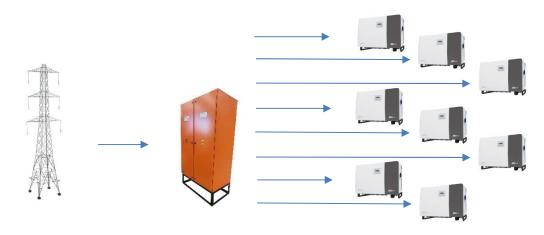
- This product is designed to provide protection between 8 x Solis 110kW inverter (or equivalent alternative) and the utility grid
- The AC protection box is designed to protect the input to the inverter with
  the built in AC surge protection device and to protect the inverter from
  potential cable 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.

Version: Rev 0 Copyright: ©Segen Solar (Pty) Ltd-2017

## **Technical Data**

Item Number		ACDB-250A-2000A-8-1
Inverter Connection		5 Wire-L1-L1-L3-N-E
Recommended inverter cable size		95mm <sup>2</sup> /Core
(Inverter input)		
Circuit breaker current rating –	Non-Adjustable	250A
Inverter Input		
Circuit breaker current rating –	Non-Adjustable	2000A
Main Output		
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



Segen Solar (Pty) Ltd 245 Masjien Street Strijdom Park, Randburg www.segensolar.co.za

Segen Solar (Pty) Ltd Reserves the right to implement changes to specifications depicted in this datasheet to conform to equipment or regulatory requirements

Version: Rev 0

Copyright: ©Segen Solar (Pty) Ltd-2017