

TECHNICAL DATA SHEET



ACDB-250A-120KW-1-1

Product Description:

The AC Protection box is to be used as the protection between 2 x Solis 60 kW Grid Connected inverter 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 any 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 may also be ordered without the power quality meter, although for commercial application the information available from the power meter is of great use in analysing system performance.

Picture shown for illustrative and representative purposes only and may differ from actual Product

Technical Datasheet		
Item Number		ACDB-125A-60KW-1-1
Inverter Connection		5 Wire-L1-L2-L3-N-E
Recommended inverter Cable size (inverter input)		35mm ² /core
Circuit Breaker Current Rating - Inverter Input	Non - Adjustable	125A
Circuit Breaker Current Rating -Main Output	Non - Adjustable	250A
Number of inverter Inputs		2
Number of Outputs		1
Enclosure Material		Mild Steel
Enclosure Material Thickness		1,6mm
Enclosure Colour		B26 Orange
Mounting	Wall	1 x set of 4 wall brackets
Door opening	Hinged on side	Lever Lock
Internal Cover Plate	White Removable	Yes
Internal Components pre-wired		Yes
Panel AC Fault level		25kA
System Voltage		400V
IP Rating		IP65
Earth Stud		YES
Dimensions	Height/Width/Depth(mm)	700 x 810 x 250

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