

ACBoard Classic (100A max) - Single Inverter

SKU: ACBC-101U80

ID: 3005



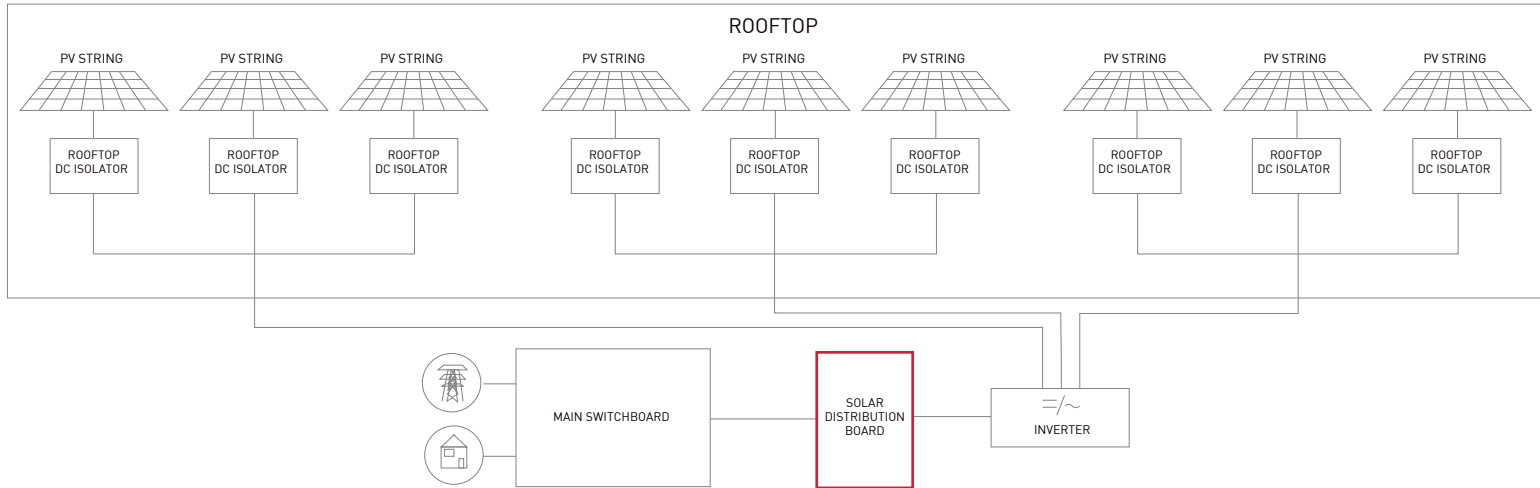
Image is indicative only. Model may differ from image while maintaining functionality.

SPECIFICATION SHEET
v1.0

Saves you time and money on your commercial solar installs

- Designed to meet distribution utilities network protection requirements.
- Designed by registered professional electrical engineers. Simplifies engineering signoff for solar projects.
- Compliant with Australian & New Zealand standards, including AS/NZS 61439.
- Metal enclosure for commercial applications.
- Completely pre-wired and tested.
- 3 point locking system.
- Easy to install.

Typical system installation



Mechanical specifications

Enclosure material	Powder coated mild metal
Enclosure dimensions	600W x 800H x 250D (mm)
IP rating	IP 66
Weight	48kg
Cable entries	Gland plate top + bottom
Labels	Pre-labelled to meet AS/NZS 4777.1:2016 & AS/NZS 5033:2021 with additional labels for main board.
Colour	Grey (RAL7035)
Operating temperature	-25 to +40°C Ambient

Electrical specifications

Fault current rating	33kA
Max overcurrent protection	100A (suitable for up to 1x 55kW Inverter)
Min incoming cable size (lugged connection)	¹ More than 16mm ² Lug with 8.5mm diameter hole
Max incoming cable size (lugged connection)	² Up to 80mm ² Lug with 8.5mm diameter hole
Incoming cable torque	6Nm
Min outgoing cable size (tunnel type connection)	¹ More than 16mm ²
Max outgoing cable size (tunnel type connection)	² Up to 35mm ²
Outgoing cable torque	6Nm
Grid protection	ABB Grid Protection Relay, pre-programmed to DNSP settings

*AC Solar Warehouse manufactures these boards in-house.
Please contact us directly to discuss any custom modifications required.

¹ Ensure cable current carrying capacity is sufficient. Contact AC Solar Warehouse to confirm.

² Larger cables possible using spreading bars. Additional support recommended for cable above 95mm².