

PV Combiner Boxes

STG.CBRH.3.a

High-Current Combiner Box

Shoals' Combiner Boxes provide the ideal low cost, high quality solution for commercial PV installations. Available in both pre-designed UL1741 certified or customizable configurations, Shoals' Combiner Boxes can adapt to any configuration's requirements.

Features

- Finger-safe fuse holders
- Reinforced, plated busbars
- Lockable enclosures
- Listed to UL1741
- NEMA 4X enclosure
- 5-year warranty standard on all models

Options

- DC Disconnect = No
- SNAPShot Wireless Monitoring = No
- Surge Suppression = No
- Indicating Fuse Holders = No



Technical Information

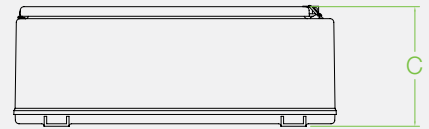
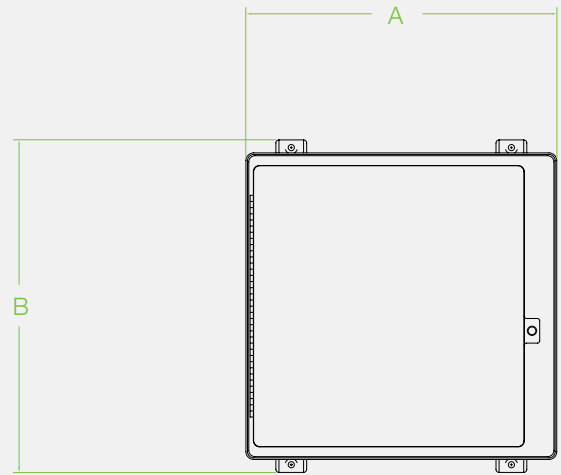
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Voltage Rating (VDC)	600
Maximum DC Current (A)	90
Maximum Input Current per String (A)	30
Maximum Voltage (VDC)	600
Max. Positive Output Wire Size (AWG)	Feb-00
Max. Negative Output Wire Size (AWG)	Feb-00
Max. Positive Input Wire Size (AWG)	6
Max. Negative Input Wire Size (AWG)	4
Enclosure Rating	NEMA 4X
Number of Fuse Poles	3
Maximum Input Fuse Rating (A)	30
Operating Temperature (°C)	-40 to 50

* Product design and specification subject to change or modification without notice.



Providing the ideal low cost, high quality solution for commercial photovoltaic installations.

Dimensional Drawing



Combiner Dimensions

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A	202
B	202
C	116

* Units in mm



*Patent Pending



Feature Locations

- 1 Positive (+) inputs / fuse holders
- 2 Positive (+) output
- 3 Negative (-) inputs / Negative (-) output
- 4 Ground
- 5 Reinforced, plated busbar
- 6 DC Disconnect (Optional)
- 7 Surge Suppression (Optional)
- 8 SNAPShot™ Sensor Control Module (Optional)
- 9 SNAPShot™ Power Supply (Optional)
- 10 SNAPShot™ Wireless Radio (Optional)
- 11 Fiberglass or metallic enclosure