



Series: SCB1

Solar Power Combiner Box for Multi Panel Systems

FEATURES & BENEFITS

- Available for 3, 4 & 6 String Configuration
- Continuous Duty Rated at 600 Vdc
- Touch-safe Fuse Holders - 30 Amps Max Rating
- All UL Listed & Compliant Components
- Weatherproof, Non-conductive UL Listed Enclosure
- Includes Cable Glands, Grounding & Mounting Kits

APPLACATIONS

- Remote Solar Power Systems
- Reduces Number of Wires to Inverter Box



DESCRIPTION

SCB1 Series Solar Power Combiner Boxes feature a weatherproof, non-conductive, UL listed NEMA rated fiberglass enclosure. Models are available in 3, 4 and 6 string configurations and are rated for 600 Vdc continuous duty.

All Models Include: UL Listed Enclosure, Touch-safe Fuse Holders, Fuses, Input/output Wiring Cable Glands, Safety Labels, Universal Mounting Bracket, and Earth Grounding Kit.



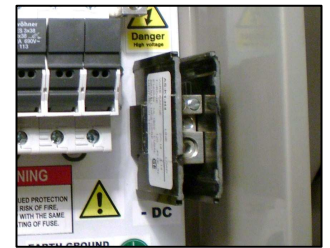
NEMA 4X Enclosure



30 Amp Fuse Holders



Earth Ground Connection



Power Distribution Block



Input/output Cable Glands



Safety Labels



Universal Mounting Kit



Earth Grounding Kit

Series: SCB1

Weatherproof Enclosure

Weatherproof, UL listed, NEMA 4X rated enclosure. Design includes stainless steel hinges and screws for outstanding corrosion resistance.

Fuse Holders

UL compliant, touch-safe fuse holders feature a 32 Amp, 690 Volt rating and are designed for cylindrical 10 x 38mm fuses.

Power Distribution Block

These UL listed components feature a strong base made from high impact plastic and is rated for use up to 600 Volts.

System Labeling

Each box includes a complete set of industry standard safety labels.

Universal Mounting Bracket

The universal mounting bracket supplied with each box allows for easy installation. All the nuts, bolts and parts needed to mount this box to a pole, roof or wall are included.

All Models Include: UL Listed Enclosure, Touch-safe Fuse Holders, Fuses, Input/output Wiring Cable Glands, Safety Labels, Universal Mounting Bracket, and Earth Grounding Kit.



Model: SCB1-3

GENERAL SPECIFICATIONS

Operating Temperature: -40 to 130 °F (-40 to 60 °C)

Enclosure: Material: Fiberglass Reinforced Plastic,

Enclosure Rating: NEMA 4X, UL Listed

CAUTION NOTE

Model Number	SCB1-3-(*)	SCB1-4-(*)	SCB1-6-(*)
Fuse Poles (Size)	3 (10 x 38 mm)	4 (10 x 38 mm)	6 (10 x 38 mm)
Input Wire Size	8-14 AWG	8-14 AWG	8-14 AWG
Output Wire Size	4-14 AWG	4-14 AWG	4-14 AWG
Earth Ground Terminals	4 total, 8-14 AWG	4 total, 8-14 AWG	4 total, 8-14 AWG
Voltage Rating	600 Vdc	600 Vdc	600 Vdc
Input Fuse Max DC Current	30 Amps	30 Amps	30 Amps
Max Total DC Current	90 amps	110 amps	130 amps
Enclosure Dimensions	9.64 x 7.75 x 4.80" (245 x 197 x 122 mm)	9.64 x 7.75 x 4.80" (245 x 197 x 122 mm)	11.78 x 9.90 x 6.80" (299 x 251 x 173 mm)

*Insert 5, 10, 12, 15, 20 or 30 for fuse size in Amps. Example SCB1-3-10

Includes: NEMA 4X Enclosure, Fuse Holders, Fuses, Power Distribution Block, Input/output Cable Glands, Safety labels, Universal Mounting Bracket and Earth Grounding Kit

Note: Continued product improvements make specifications subject to change without notice. Check www.imagineinstruments.com for the latest product information and updates

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