



Series: SCB2

Solar Power Combiner Box For Multi-String PV Systems



Model: SCB2-6

FEATURES & BENEFITS

- Available for 6 or 8 String Configuration
- Continuous Duty Rated at 600 Vdc
- Touch-safe Fuse Holders - 32 Amps Max Rating
- All UL Compliant Components
- NEMA 4, 4X UL Listed Enclosure
- Includes Input/Output Cable Glands

APPLACATIONS

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

DESCRIPTION

SCB2 Series Solar Power Combiner Boxes are rugged combiners that feature a weatherproof, non-conductive; UL listed NEMA 4X rated fiberglass enclosure and touch-safe fuse holders and distribution blocks. Models are available in 6 or 8 string setup and are rated for up to 600 Vdc continuous duty.

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



NEMA 4X Enclosure



Touch-safe Fuse Holders



Earth Ground Connection



Output Distribution Blocks



Input/output Cable Glands



Safety Labels



Mounting Feet



Earth Grounding Kit

Weatherproof Enclosure

Fiberglass/Plastic Blend, 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 Blocks

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



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GENERAL SPECIFICATIONS

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

Enclosure: Material: Fiberglass Reinforced Plastic

Enclosure Rating: NEMA 4X, UL Listed



WARNING: Solar Power can produce high levels of voltage and current. To prevent property damage and/or personal injury installation, wiring and maintenance of this product should only be done by a trained licensed professional.

AVAILABLE MODELS

Model Number	SCB2-6	SCB2-8
Fused Input Poles (Size)*	6 (10 x 38 mm)	8 (10 x 38 mm)
Input Wire Size	8-14 AWG	8-14 AWG
Output Wire Size	2/0-14 AWG	2/0-14 AWG
Voltage Rating	600 Vdc	600 Vdc
Input Fuse Max DC Current	30 Amps	30 Amps
Max Output Total DC Current	165 amps	165 amps
Enclosure Dimensions	11.8 x 9.9 x 6.8" (299 x 252 x 173 mm)	11.8 x 9.9 x 6.8" (299 x 252 x 173 mm)

* Does Not Include Fuses

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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