



Series: SCB2-DF

# Solar Power Combiner Box with Dual Fused Setup



Model: SCB2-DF4

## FEATURES & BENEFITS

- Both Positive & Negative Fused Strings
- Models for 3, 4 or 5 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 Side Cable Gland

## APPLACATIONS

- Off-grid Solar Power Systems
- Transformerless Solar Inverter System

## DESCRIPTION

SCB2-DF Series – Dual Fused Solar Power Combiner Boxes are rugged combiners that feature both positive and negative PV input string fusing. Features include UL listed NEMA 4X rated enclosures, touch-safe fuse holders/distribution blocks and optional 500V lightning/surge protection. Models are available in 3, 4 or 5 string setup and are rated for up to 600V. Dual fused models are preferred when transformerless inverters are used.

*All Models Include: UL Listed Enclosure, Touch-safe Fuse Holders and Distribution Blocks, Input Cable Glands, Safety Labels and Mounting Ears.*



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.



## 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-DF3	SCB2-DF4	SCB2-DF5
Fused Input Strings:	3 Positive, 3 Negative	4 Positive, 4 Negative	5 Positive, 5 Negative
*Fuse Size:	10 x 38 mm	10 x 38 mm	10 x 38 mm
Input Wire Size	8-14 AWG	8-14 AWG	8-14 AWG
Output Wire Size	2/0-14 AWG	2/0-14 AWG	2/0-14 AWG
Voltage Rating	600 Vdc	600 Vdc	600 Vdc
Input Fuse Max DC Current	32 Amps	32 Amps	32 Amps
Max Output Total DC Current	96 amps	128 amps	160 amps
Enclosure Dimensions	14 x 12 x 7"	14 x 12 x 7"	14 x 12 x 7"

\* Does Not Include Fuses

Note: Continued product improvements make specifications subject to change without notice. Check [www.imagineinstruments.com](http://www.imagineinstruments.com) for the latest product information and updates

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