



Series: ESCB-DF

Dual-fused, Compact Solar Power Combiner Box

FEATURES & BENEFITS

- Models for 1 or 2 String Configuration
- Both Positive & Negative Inputs Fused
- Touch-safe Fuse Holders & Terminal Blocks
- All UL Compliant Components
- Weatherproof, Non-conductive Box
- Includes Input/Output Circuit Cable Glands
- Includes Labels & Mounting Tabs

APPLACATIONS

- Remote Solar Power Systems
- Reduces Wiring to Inverter Box



DESCRIPTION

ESCB-DF Series – Dual-fused, Compact, Solar Power Combiners feature a weatherproof, non-conductive, UL listed enclosure. Models are available for 1 or 2 string configurations and are rated for 600 Vdc continuous duty. Dual fused combiners are needed when transformerless inverters are used.

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



Mounting Tabs



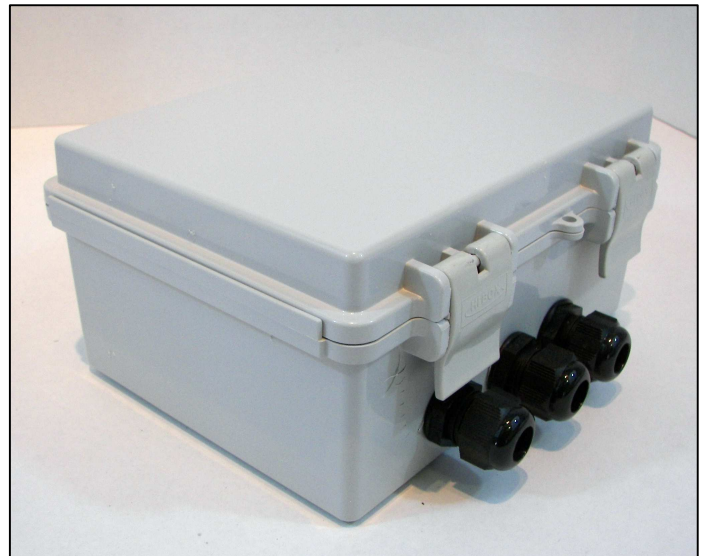
Power Distribution Blocks



Input/output Cable Glands



Safety Labels



NEMA 4X Rated Weatherproof Enclosure

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Weatherproof Enclosure

Weatherproof, UL listed, NEMA 4X rated enclosure. Design includes plastic hinges and a gasketed lid for outstanding corrosion resistance.

Fuse Holders

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

Din-rail 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.

General Specifications

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

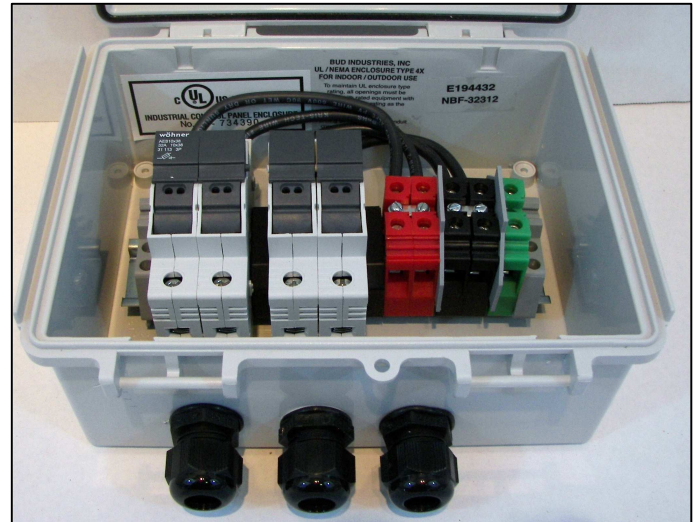
Enclosure Size: 7.9 x 5.9 x 3.9" (200 x 150 x 100mm)

Enclosure: Material: PC/PBT Blended Plastic

Enclosure Rating: NEMA 4X, UL Listed

Fuse Size: 10 x 38mm (Not included)

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



Model: ESCB-DF-2



Caution: Electrical Shock hazard. This product must be installed and wired by a trained licensed professional.

Available Models

Model Number	ESCB-DF-1	ESCB-DF-2
Dual Fused Input Circuits	1	2
Input Wire Size	8-14 AWG	8-14 AWG
Output Wire Size	8-14 AWG	8-14 AWG
Earth Ground Terminals	1 Ea, 8-14 AWG	1 Ea, 8-14 AWG
Max Voltage Rating	600 Vdc	600 Vdc
Max Current Per Input Circuit	20 Amps	20 Amps
Max Total DC Output Current	20 Amps	40 Amps

Note: This product is designed to be operated with 5, 7, 10, 15 or 20 Amp fuses only (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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