



Series: SCB-FHDX

## Fused Solar Combiner with Disconnect Switch



Model SCB-FHDX-4-8A Shown

### FEATURES & BENEFITS

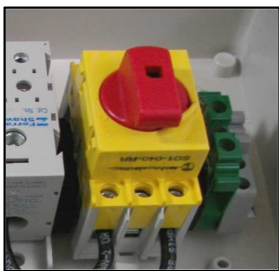
- 3 or 4-String Configuration
- Continuous Duty Rated at 600V DC
- Touch-safe Fuse Holders
- Compact Weatherproof, Non-conductive Box
- All UL Compliant Components Used
- Positive/Negative Output Disconnect Switch

### APPLACATIONS

- Remote Solar Power Systems
- Reduces Wiring to Inverter Box
- RV, Sail Boat Solar Power System

### DESCRIPTION

SCB-FHDX Series - Compact, Fused Solar Power Combiner with disconnect switch features a weatherproof, non-conductive enclosure. This model is 3 or 4-string configuration and available with 5, 8, 10, 16 or 20 Amp fuses each fuse holder is 600V DC continuous duty rating per string. The disconnect switch is installed on the combined output and switches both the positive and negative outputs on/off.



Output Disconnect Switch



Mounting Feet



Optional Lightning/Surge Module



Cable Glands



Solar Fuse Holders



Safety Label



Weatherproof Enclosure



Fuses Included

# Series: SCB-FHDX

## General Specifications

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

\*Lightning/Surge Module Option: 500V

Enclosure Size: 10.8 x 6.8 x 4.8"

Enclosure: Material: PC/PBT Blended Plastic

Enclosure Rating: NEMA 4X, UL Listed

Mounting Feet: Stainless Steel (Included)

Input / Output Cable Glands: Included (Not Installed)

Fuse Size: 38 x 10mm (Fuses Included)

Fuse Capacity: See Model Tables



## Available 3-String Models

| Model Number                  | SCB-FHDX-3-5A | SCB-FHDX-3-8A | SCB-FHDX-3-10A |
|-------------------------------|---------------|---------------|----------------|
| Input Circuits/ Fuse Holders  | 3             | 3             | 3              |
| Input Connection              | 8-14 AWG      | 8-14 AWG      | 8-14 AWG       |
| Output Connection             | 6-14 AWG      | 6-14 AWG      | 6-14 AWG       |
| Max Voltage Rating Per String | 600V DC       | 600V DC       | 600V DC        |
| Fuses Included                | 500V, 5A      | 500V, 8A      | 500V, 10A      |
| Max Total DC Output Current   | 15 Amps       | 24 Amps       | 30 Amps        |

| Model Number                  | SCB-FHDX-3-16A | SCB-FHDX-3-20A | SCB-FHDX-3-25A |
|-------------------------------|----------------|----------------|----------------|
| Input Circuits/ Fuse Holders  | 3              | 3              | 3              |
| Input Connection              | 8-14 AWG       | 8-14 AWG       | 8-14 AWG       |
| Output Connection             | 6-1 AWG        | 6-1 AWG        | 6-1 AWG        |
| Max Voltage Rating Per String | 600V DC        | 600V DC        | 600V DC        |
| Fuses Included                | 500V, 16A      | 500V, 20A      | 500V, 25A      |
| Max Total DC Output Current   | 48 Amps        | 60 Amps        | 75 Amps        |

## Available 4-String Models

| Model Number                  | SCB-FHDX-4-5A | SCB-FHDX-4-8A | SCB-FHDX-4-10A |
|-------------------------------|---------------|---------------|----------------|
| Input Circuits/ Fuse Holders  | 4             | 4             | 4              |
| Input Connection              | 8-14 AWG      | 8-14 AWG      | 8-14 AWG       |
| Output Connection             | 6-14 AWG      | 6-14 AWG      | 6-14 AWG       |
| Max Voltage Rating Per String | 600V DC       | 600V DC       | 600V DC        |
| Fuses Included                | 500V, 5A      | 500V, 8A      | 500V, 10A      |
| Max Total DC Output Current   | 20 Amps       | 32 Amps       | 40 Amps        |

| <b>Model Number</b>           | <b>SCB-FHDX-4-16A</b> | <b>SCB-FHDX-4-20A</b> | <b>SCB-FHDX-4-25A</b> |
|-------------------------------|-----------------------|-----------------------|-----------------------|
| Input Circuits/ Fuse Holders  | 4                     | 4                     | 4                     |
| Input Connection              | 8-14 AWG              | 8-14 AWG              | 8-14 AWG              |
| Output Connection             | 6-1 AWG               | 6-1 AWG               | 6-1 AWG               |
| Max Voltage Rating Per String | 600V DC               | 600V DC               | 600V DC               |
| Fuses Included                | 500V, 16A             | 500V, 20A             | 500V, 25A             |
| Max Total DC Output Current   | 64Amps                | 80 Amps               | 100 Amps              |

\*Units are available with a Lightning/Surge module installed on the box exterior. To order a unit with this option add "-LM" to model number. Example: SCB-FHDX-3-10A-LM

Note: Cable glands shown in pictures are included. The cable glands are not installed and holes are not drilled in the box so you can use a conduit fitting instead of the glands.

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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