IMAGINE Instruments™
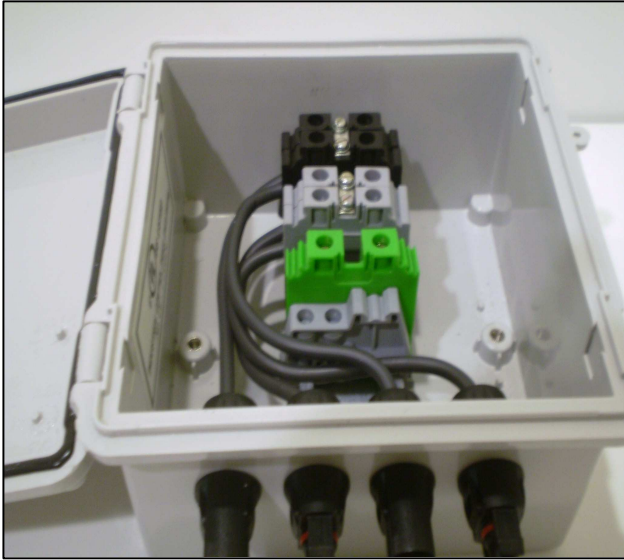
Pre-wired, Compact, Solar Power Combiner Box

FEATURES & BENEFITS

- Models for 2 or 3 String Configuration
- Continuous Duty Rated at 600 Vdc
- Touch-safe Terminal Blocks
- All UL Compliant Components
- Weatherproof, Non-conductive Box
- Includes Output Circuit Cable Gland
- Pre-wired With Standard MC4 Connectors

APPLACATIONS

- Remote Solar Power Systems
- Reduces Wiring to Inverter Box

DESCRIPTION

SCB-PW1 Series – Pre-wired, compact, Solar Power Combiners feature a weatherproof, non-conductive, UL listed enclosure. Models are pre-wired with industry standard MC4 style connectors and are available in 2 or 3 string configuration. Rated for 600 Vdc continuous duty.

All Models Include: UL Listed Enclosure, Touch-safe Terminal Blocks, Pre-wired MC4 Connectors, Watertight Output Circuit Cable Gland, Safety Labels and Mounting Ears.

Output Cable Gland

Solar Disconnect

WARNING - Electric Shock Hazard
DO NOT TOUCH TERMINALS
Terminals on both Line and Load sides
may be energized in the Open Position

Safety Labels

Mounting Ears

NEMA 4X Enclosure

Model: SCB-PW1-2

General Specifications

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

Enclosure Size: 5.9 x 5.9 x 3.54" (150 x 150 x 90 mm)

Enclosure: Material: PC/PBT Blended Plastic

Enclosure Rating: NEMA 4X, UL Listed

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

Available Models

Model Number	SCB-PW1-2	SCB-PW1-3
Input Circuits	2	3
Input Circuit Connection (Pre-wired)	MC4	MC4
Output Wire Size	8-14 AWG	8-14 AWG
Earth Ground Terminal	1 Ea, 8-14 AWG	1 Ea, 8-14 AWG
Max Voltage Rating	600 Vdc	600 Vdc
Max Current Per Input Circuit	15 Amps	15 Amps
Max Total DC Output Current	30 amps	40 amps

SCB-PW1 Series is Non-fused.

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