

RF-3, RF-4, RF-6

Residential Grounded DC String Combiner Boxes

The Soltection RF-3, RF-4, and RF-6 Combiner Boxes support the combination of up to three, four, or six strings. Housed in a Vynckier fiberglass enclosure, the Soltection combiner boxes offer unparalleled protection against the elements and the sun. The large and oversized busbars reduce losses and offer improved efficiency for connections.



Model RF-4 Shown

Key Features

- **Mountable on solar rail using brackets.**
- **Works with grounded string inverters.**
- **NEMA 4X fiberglass enclosure with 20 year usable outdoor life.**
- **Touch-Safe fuse holders and negative terminals.**

Electrical Specifications

Maximum Voltage: 1000V AC / DC
Number of Inputs : 3 (RF-3), 4 (RF-4), 6 (RF-6)
Input Wire Size Range: #6 - #14 AWG
Output Wire Size Range: #6 - 250MCM AWG
Connector Type: Screw Clamp
Maximum Current Per Terminal: 24A
Maximum Fuse Size: 30A
Maximum Combined Current (RF-3): 72A
Maximum Combined Current (RF-4): 96A
Maximum Combined Current (RF-6): 144 A

Physical Specifications

Enclosure Rating: NEMA 4X
Enclosure Material: Vyncopreg V5010(f1) Fiberglass
Outer Dimensions (RF-3, RF-4): 11.32" x 9.32" x 5.39"
Outer Dimensions (RF-6): 13.32" x 11.32" x 5.52"
Shipping Carton Size (RF-3, RF-4): 12" x 10" x 6"
Shipping Carton Size (RF-6): 14" x 12" x 6"
Shipping Weight: 5.10 lb (RF-3), 5.25 lb (RF-4)
Shipping Weight: 6.55 lb (RF-6)

Certifications:

