

RJ-1

Residential Transition Box

The Soltection RJ-1 rooftop junction box with flashing provides a safe, secure, and NEMA 4X watertight solution for the Solar installer to penetrate the roof for attic runs and make the proper wire connections. The product is designed to be simple to install, minimize time on the roof, while additionally providing higher levels of protection for the point of penetration in the roof as well as electrical connections inside the junction box.



Key Features

- **Designed specifically for solar installations**
- **Light weight**
- **Non-metallic ---Will NOT rust/corrode**
- **Easy to drill/modify**
- **Captive screws in cover- will not fall out**
- **Minimal design, small footprint**
- **NEMA 4X rated**
- **All roof penetrations cover by Nema 4x enclosure**

Specifications

Enclosure

Material: Polycarb blend w/ UV inhibitors
UV Stabilized: Yes
Impact Resistance: Yes
Weight: 2.73lb
Color: Graphite Black

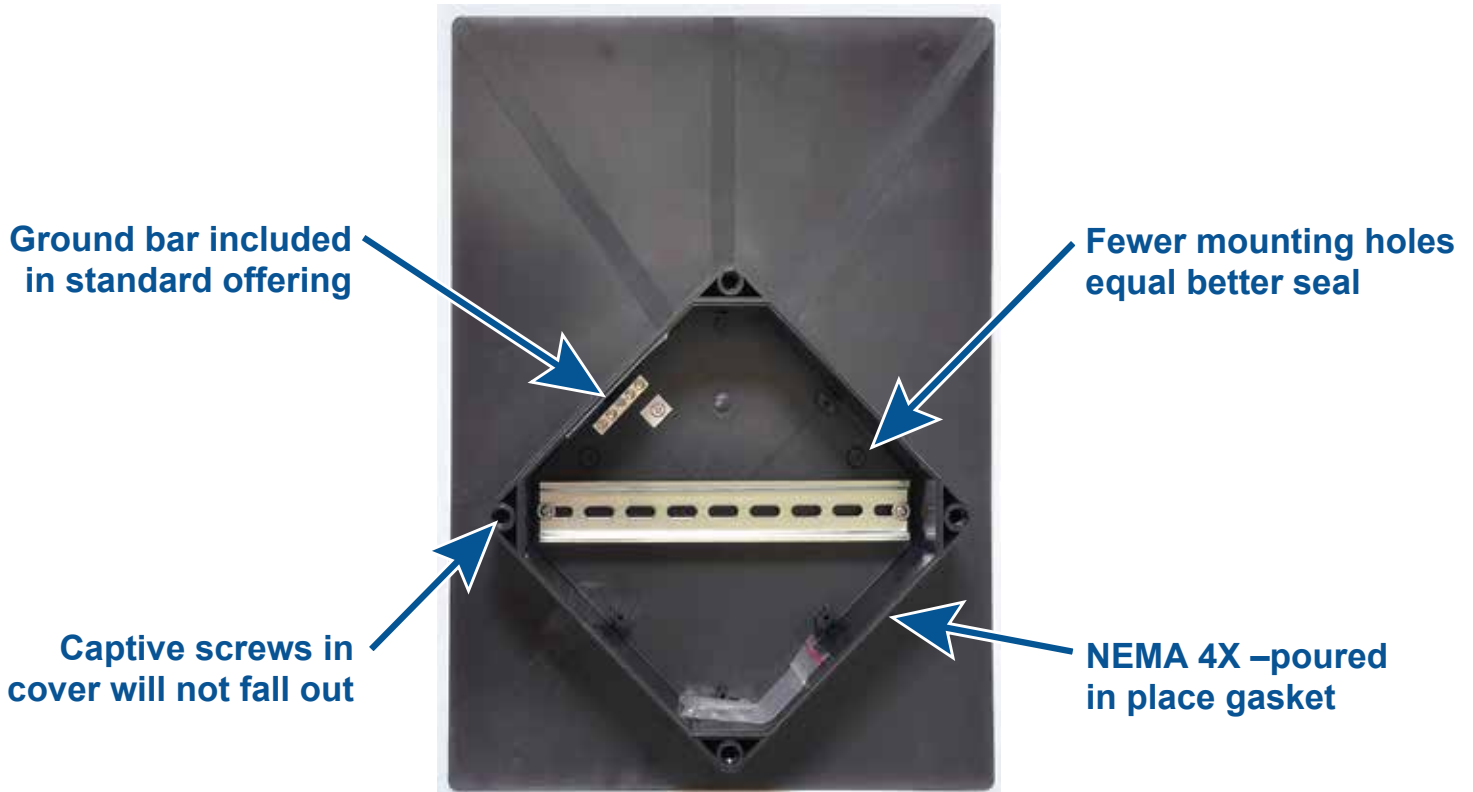
Dimensions

Flashing Dimensions (Approximate): 13" x 18"
Enclosure Dimensions (Approximate): 8" x 8"
Total Product Height: 3.5"
Cubic Inches: 224 Cubic Inches



RJ-1 Features & Benefits

Soltection's new RJ-1 is a junction box with integrated flashing to be used on residential solar installs with composite shingle roofing.



Key Features

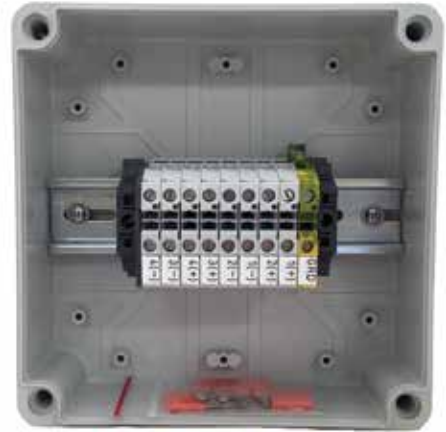
- **Cost effective**
- **Light weight (2.73 lbs)**
- **Dark Graphite color- blends in with any rooftop**
- **Non-metallic: will not rust/corrode**
- **Easy to drill/modify**
- **Designed specifically with solar installer in mind**
- **Minimal design, small footprint**



RU-2-LP

Residential DC String Transition Box

The Soltection RU-2-LP Box enables installers to transition and/or combine one to four DC strings to a single conduit, reducing costs by enabling installers to switch to standard building wire and simplifying connections in the enclosure. The low profile enclosure is designed to be mounted beneath the array using the optional box bracket accessory or adjacent to the array using racking system accessories.



Key Features

- **Mountable beneath the PV array.**
- **Works with string inverters and optimizers.**
- **NEMA 4X enclosure with 20 year usable outdoor life.**
- **Reduces overall cable and wire BOS costs.**
- **Simplifies installation and commissioning while reducing labor costs.**
- **More reliable than using wire nuts, U-joints, or wire taps.**

Electrical Specifications

Maximum Voltage: 600V AC / DC
Terminal Wire Size Range (One Conductor) : (1) #6-#24
Wire Size Range (Two Conductors): (2) #20-#12
Connector Type: Screw Clamp
Jumpers: (4) 2-Prong Jumpers
Maximum Current Per Terminal: 57A
Maximum Combined Current Per Terminal: 57A

Physical Specifications

Enclosure Rating: NEMA 4X
Enclosure Material: VALOX™ Polycarbonate
Outer Dimensions: 7.01" x 7.01" x 3.13"
Shipping Carton Size: 7" x 8" x 4"
Shipping Weight: 1.37lb

Certifications:



RU-1-LP

Residential AC String Transition Box

The Soltection RU-1-LP Box enables installers to transition up to two microinverter strings to a single conduit, reducing costs by enabling installers to switch to standard building wire. The low profile enclosure is designed to be mounted beneath the array using the optional box bracket accessory or adjacent to the array using racking system accessories and provides a touch-safe and secure means to transition strings.



Key Features

- **Mountable beneath the PV array.**
- **Works with most microinverter brands.**
- **NEMA 4X enclosure with 20 year usable outdoor life.**
- **Reduces overall cable and wire BOS costs.**
- **Simplifies installation and commissioning while reducing labor costs.**
- **More reliable than using wire nuts, U-joints, or wire taps.**

Electrical Specifications

Maximum Voltage: 600V AC / DC
Terminal Wire Size Range (One Conductor) : (1) #6-#24
Wire Size Range (Two Conductors): (2) #20-#12
Connector Type: Screw Clamp
Maximum Current Per Terminal: 57A

Physical Specifications

Enclosure Rating: NEMA 4X
Enclosure Material: VALOX™ Polycarbonate
Outer Dimensions: 6.72" x 3.17" x 3.61"
Shipping Carton Size: 7" x 4" x 4"
Shipping Weight: 1.07lb

Certifications:



RU-2

Residential DC String Transition Box

The Soltection RU-2 Box enables installers to transition and/or combine one to four DC strings to a single conduit, reducing costs by enabling installers to switch to standard building wire and simplifying connections in the enclosure. The low profile enclosure is designed to be mounted beneath the array using the optional box bracket accessory or adjacent to the array using racking system accessories.



Key Features

- **Mountable to rail using standard rail attachments.**
- **Works with string inverters and optimizers.**
- **NEMA 4X enclosure with 20 year usable outdoor life.**
- **Reduces overall cable and wire BOS costs.**
- **Simplifies installation and commissioning while reducing labor costs.**
- **More reliable than using wire nuts, U-joints, or wire taps.**

Electrical Specifications

Maximum Voltage: 600V AC / DC
Terminal Wire Size Range (One Conductor) : (1) #6-#24
Wire Size Range (Two Conductors): (2) #20-#12
Connector Type: Screw Clamp
Jumpers: (4) 2-Prong Jumpers
Maximum Current Per Terminal: 57A
Maximum Combined Current Per Terminal: 57A

Physical Specifications

Enclosure Rating: NEMA 4X
Enclosure Material: Vyncopreg V5010(f1) Fiberglass
Outer Dimensions: 9.31" x 7.31" x 3.13"
Shipping Carton Size: 7" x 8" x 4"
Shipping Weight: 1.37lb

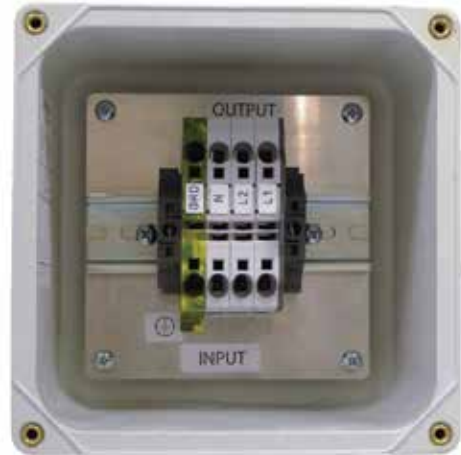
Certifications:



RU-1

Residential AC String Transition Box

The Soltection RU-1-LP Box enables installers to transition up to two microinverter strings to a single conduit, reducing costs by enabling installers to switch to standard building wire. The low profile enclosure is designed to be mounted adjacent to the array using standard racking system accessories and provides a touch-safe and secure means to transition strings.



Key Features

- **Mountable adjacent to the array.**
- **Works with most microinverter brands.**
- **NEMA 4X enclosure with 20 year usable outdoor life.**
- **Reduces overall cable and wire BOS costs.**
- **Simplifies installation and commissioning while reducing labor costs.**
- **More reliable than using wire nuts, U-joints, or wire taps.**

Electrical Specifications

Maximum Voltage: 600V AC / DC
Terminal Wire Size Range (One Conductor) : (1) #6-#24
Wire Size Range (Two Conductors): (2) #20-#12
Connector Type: Spring Clamp
Maximum Current Per Terminal: 57A

Physical Specifications

Enclosure Rating: NEMA 4X
Enclosure Material: Vyncopreg V5010(f1) Fiberglass
Outer Dimensions: 7.31" x 7.31" x 4.92"
Shipping Carton Size: 8" x 8" x 5"
Shipping Weight: 1.07lb

Certifications:

