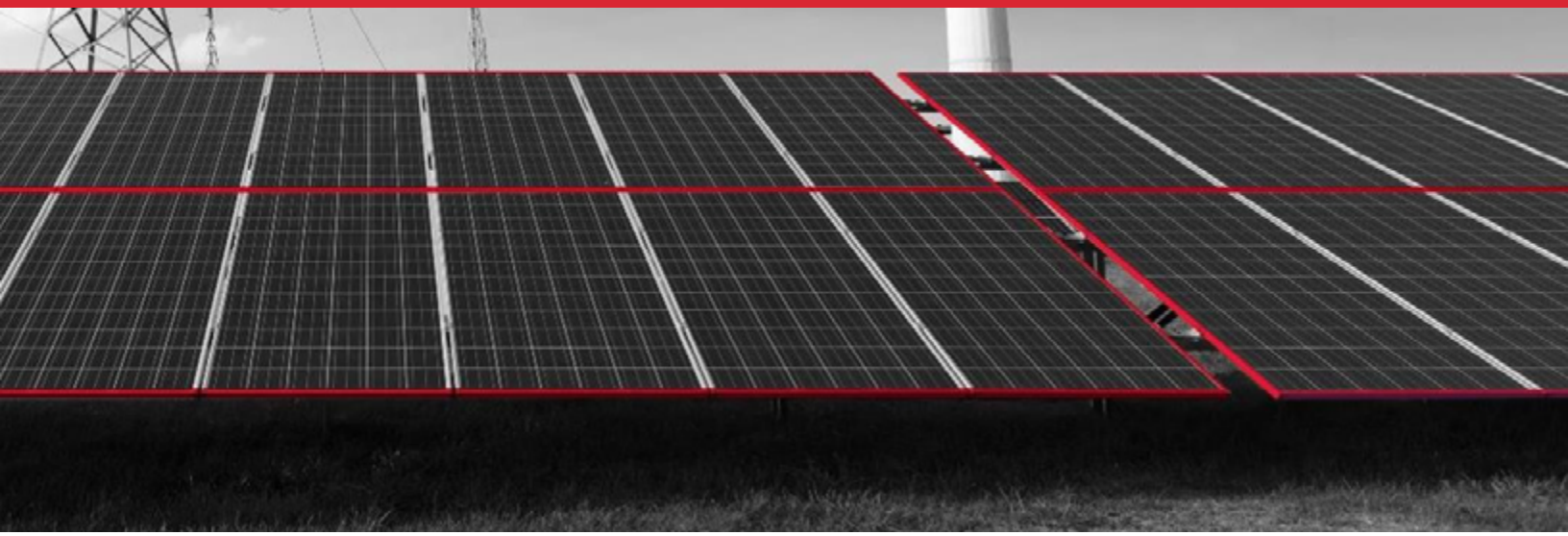
Solar Products

nVent
HOFFMAN
Previously Vynckier

EFFECTIVE AND ECONOMICAL PROTECTION



A photovoltaic (PV), or solar power system, is a power system designed to supply usable solar power by means of photovoltaics. The solar panels are often considered the most visible component in the PV system, with all remaining hardware considered balance of system (BOS). It is here, in the BOS solutions, nVent HOFFMAN Soltection transition, combiner, and junction boxes thrive. The Soltection products are lightweight, easy to install, and affordable, while having the highest emissivity value among enclosure construction materials. They are also available in a short lead time and can be customized in-house.

Lightweight and Easy to Install

Fiberglass combiner boxes are 35-50% lighter than their metallic counterparts: lighter boxes are easier to install, and reduce overall costs incurred during shipping and transportation thereby reducing the bottom line cost.

Highest Efficiency Thermal Design

Fiberglass has the highest emissivity value of all enclosure construction materials, allowing more heat to escape the enclosure during operation. Our intelligent and innovative design utilize up to 20% more copper than the average competitor's combiner. We also utilize nonmetallic materials whenever possible for both safety and thermal efficiency. By combining intelligent materials and innovative combiner box design, Soltection combiners enable EPCs to install more efficient systems which outperform the competition and run cooler and more efficiently.

Shortest Lead Times

The manufacturing process has been streamlined to meet the needs of the installer; we strive to provide accurate lead times, sometimes as short as 1 week for most standard configuration orders.

Customizability

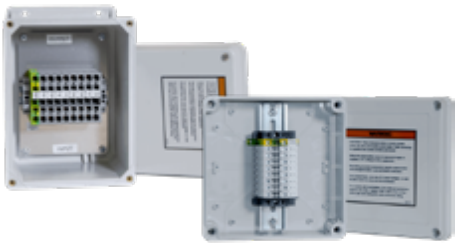
nVent-HOFFMAN Soltection value-added services enable installers to reduce time spent during construction: from customer labeling, customized holes, to custom assembly such as cord grips, whips, and pre-wiring, Soltection products can be customized to the needs of any installer.

RESIDENTIAL

RJ-1

Rooftop Junction Box

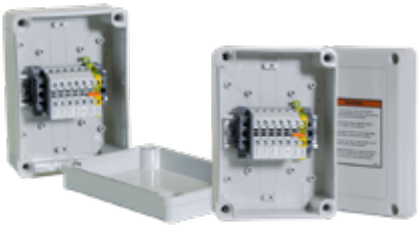
- Designed specifically for residential installation on a composite shingle roof
- All roof penetrations done within enclosure, ensuring a reliable seal; integrated flashing
- Lightweight, easy to drill/modify, and simple to install



RU-2, RU-2-LP

DC-String Transition Box

- Designed for the transition and/or combination of 1-4 DC strings to a single conduit
- Low Profile (LP) design mountable beneath the PV array
- Works with string inverters and optimizers
- Reduces overall cable and wire BOS costs



RU1, RU-1 LP

AC-String Transition Box

- Designed to transition up to two microinverter strings to a single conduit
- Low Profile (LP) design mountable beneath the PV array
- Works with most microinverter brands
- Reduces overall cable and wire BOS costs

COMMERCIAL

CUF

Commercial transition boxes, without fuse

- Provides a convenient location for transitioning wires in a commercial array when fusing is not required
- Supports 4-20 input pairs

RF-3, 4, 6, 8, 12

Grounded combiner boxes

- Designed specifically to support combinations of 3, 4, 6, 8, and 12 strings
- The large and oversized busbars reduce losses and offer improved efficiency for connections
- Mountable on solar rail using brackets
- Works with grounded string inverters
- Touch-safe fuse holders and negative terminals

RF-2-3, 4, 6

Ungrounded combiner boxes

- Supports the combination of up to 3, 4, or 6 strings
- The large and oversized busbars reduce losses and offer improved efficiency for connections
- Mountable on solar rail using brackets
- Fuses are provided for both the positives and negatives
- Works with grounded string inverters
- Touch-safe fuse holders

UTILITY-SCALE

CDF AND CDF-U

1000V Grounded and ungrounded combiner boxes

- 1000V rated grounded or ungrounded disconnect combiner box
- In the grounded disconnect combiner box, positive conductors are fused; in the ungrounded both the positive and negative conductors are fused
- Flexible configurations to meet unique project specifications
- Fiberglass material allows for higher heat dissapation out of the box

CDF-HV AND CDF-U-HV

1500V Grounded and ungrounded combiner boxes

- 1500V rated grounded or ungrounded disconnect combiner box
- In the grounded disconnect combiner box, positive conductors are fused; in the ungrounded both the positive and negative conductors are fused
- Flexible configurations to meet unique project specifications

All enclosure solutions are NEMA-4X rated, and have a 20-year usable outdoor life.

For a complete size listing, please contact your HOFFMAN representative or refer to soltection.com.

nVent

Our powerful portfolio of brands:

nVent.com CADDY ERICO HOFFMAN RAYCHEM SCHROFF TRACER