



CONNECT AND PROTECT

Solar Energy Solutions

Unparalleled Protection against the Elements and the Sun



HOFFMAN



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Why nVent HOFFMAN?

For more than 75 years, customers have relied on the nVent HOFFMAN brand to deliver the industry's most comprehensive portfolio. As a result, contractors trust the superior line of enclosures, junction boxes, wireway solutions and more for solar applications.

nVent delivers what you expect – innovative products, competitive pricing, easy ordering and the industry's largest and experienced sales and applications staff.



PROTECTION FOR THE SOLAR MARKET

The world's infrastructure is becoming more electric, driven by technology and the need for more sustainable solution. Solar energy is one of the fastest growing renewable energy segments. With a focus on residential, commercial, industrial and utility scale, nVent HOFFMAN solar solutions are flexible enough to keep pace with rapidly emerging demands.

Balancing current needs for sustainable energy sources against increasing power demands has led to an unprecedented expansion of renewable energy technology development and deployment. Protecting vital controls, instruments and distribution equipment in solar applications requires flexible and durable enclosure solutions.

COMMITMENT TO WORLDWIDE COMPLIANCE

nVent HOFFMAN products from nVent reflect our commitment to making a positive impact. Furthermore, our supplier partners meet the nVent Supplier Code of Conduct, which helps ensure safe and healthy working conditions, the human rights of workers, high ethical standards, and environmental responsibility. We also stay abreast of global and regional regulations that impact our products, including REACH and RoHS, among other.

We operate under a global ISO 9000 certificate, and provide customers industry-leading design. In addition, we are committed to quality leadership and continual improvement to our products and processes.

Our products meet global and regional Solar application standards, including NEMA Type 1 and UL 4X, among others.



Best-in-Class Product Selection

nVent HOFFMAN solutions are your one stop for:

- Rooftop array junctions
- Cable runs and junctions
- Battery storage systems
- Meteorological stations
- Network and SCADA
- Combiner and recombiners
- Inverter enclosures

RJ SOLAR ROOFTOP JUNCTION BOX

The nVent HOFFMAN RJ Solar 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.

- Non-metallic; will not rust or corrode
- Easy to drill and modify
- Lightweight with small footprint



RU SOLAR STRING TRANSITION BOXES

Residential transition boxes enable installers to transition and/or combine strings to conduit, reducing costs by enabling installers to switch to standard building wire and simplifying connections in the enclosure. Providing a touch-safe and secure means to transition strings. 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.

- More reliable than using wire nuts, U-joints, or wire taps
- Reduces labor costs with simple installation and commissioning
- Reduces material costs with fewer connections and wire needs



WIREWAY SOLUTIONS

nVent HOFFMAN wireway solutions are a flexible, versatile wire and cable protection solution. Choose from a wide range of fittings, including elbows, adapters and telescopic fittings, to meet most application needs.

- Two different types of wireway, including lay-in and wiring trough, for indoor and outdoor applications
- Cost-effective solutions, such as award-winning angled trough, cuts total installation time by 80%



PULL AND JUNCTION BOXES

Easy-to-install and readily available solutions for wiring, junction, pull or terminal box applications.

- Widest range of off-the-shelf sizes and UL Type 1, 3R and 4X ratings to protect installations against tampering and rain in virtually any outdoor application
- Flexibility with a variety of easy-to-install accessories to facilitate size adjustments with pull-box extenders, flush mount with slide-on covers, conduit entry with knockouts, component mounting with perforated panels, and added security with locking windows
- Cost-saving solutions like the Pull-box Extender, and Screw Cover Pull-Box, Type 4X



NON-METALLIC WALL-MOUNT ENCLOSURES

Non-metallic wall mount enclosures offer excellent UV performance and chemical-resistance qualities that reliably protect electrical control equipment against the most punishing corrosive outdoor environments. Available in polycarbonate, an excellent general-purpose material and polyester, the premier option for chemical resistance.

- Lightweight with exceptional impact resistance and strength
- High-performing, cost-effective solution
- Available in a variety of hinge and door options to meet your needs
- Quick-ship standard sizes available



WEATHERFLO ENCLOSURES

WeatherFlo enclosures feature a forced-air ventilation system for cooling drives or other high-heat producing equipment in outdoor applications. The exclusive white polyester powder finish minimizes solar absorption for longer life.

- Reduced ambient heat with integrated solar shield top and intake cover
- Adjustable thermostat; 70-140 F (21-60 C)
- Active cooling ventilation system with factory-installed fan and filter (115 VAC)
- Numerous standard sizes available

Best-in-Class Product Selection

RF SOLAR COMBINER BOXES

The RF Solar Combiner Boxes support the combination of up to 3, 4, 6, 8 or 12 strings. RF-3, 4, 6 models are ungrounded, while RF-8 and 12 models are grounded. In ungrounded combiner boxes, fuses are provided for both the positives and negatives. Housed in a 20-year outdoor life fiberglass enclosure, the combiner boxes offer unparalleled protection against exterior elements. The oversized busbars reduce losses and offer improved efficiency for connections.

- Easy installation with brackets to mount on solar rail
- Saves time with grounded string inverters
- Touch-safe fuse holders for safety
- 8 standard sizes available



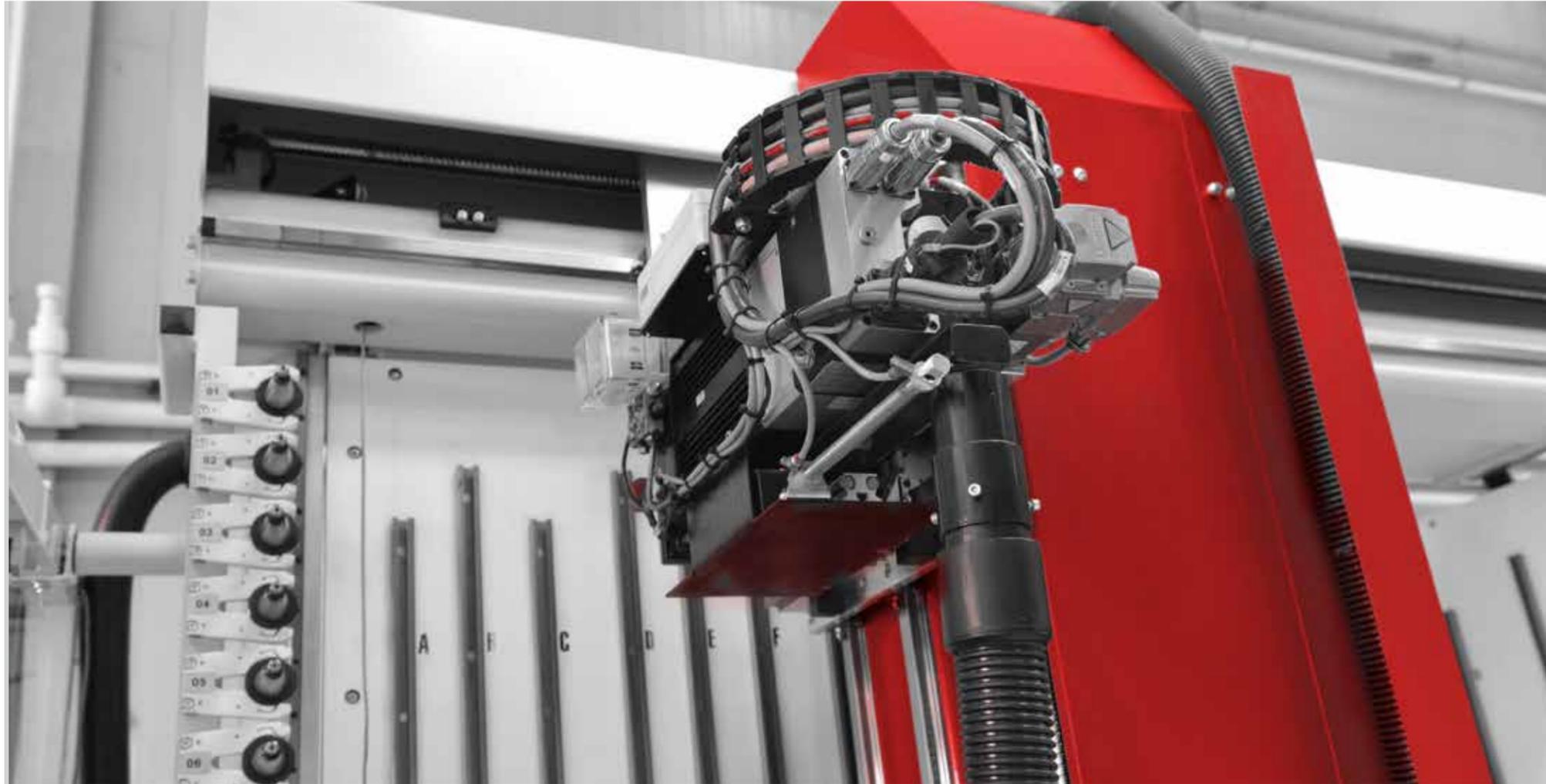
CUF SOLAR COMBINER BOXES

Commercial Transition Boxes, CUF Series solar, also known as pass through boxes, provide a convenient location for transitioning wires in a commercial array when fusing is not required. Housed in a fiberglass enclosure, these boxes offer unparalleled exterior protection against the elements.

- Oversized busbars [what is the benefit to this?]
- Reduced material and labor costs with high-quality components
- Improved efficiency for connections with circuit input pair ranges from 4 to 20 and wire sizes (input and output) from #24 to #3 AWG
- 17 standard sizes available



Capabilities and Customization



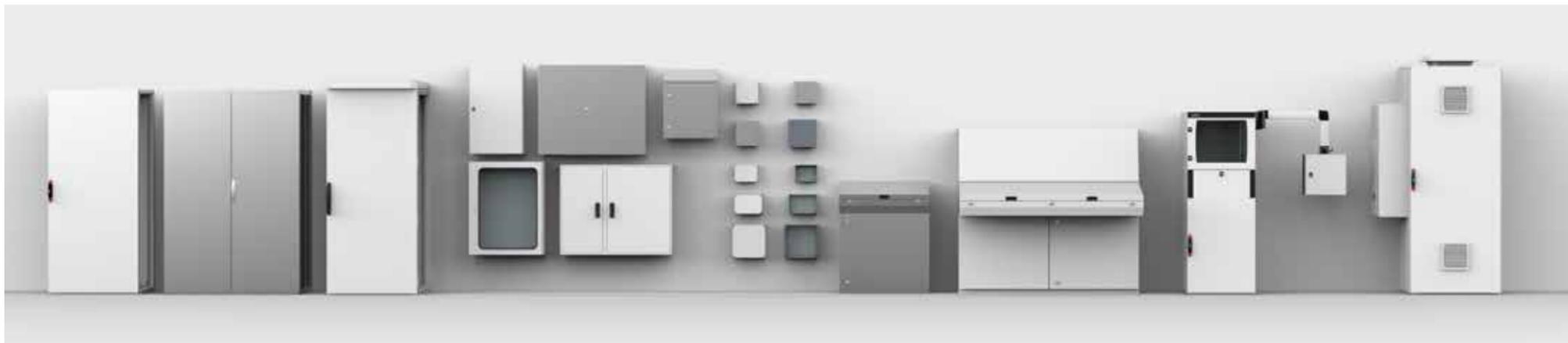
NVENT HOFFMAN PRODUCTION CAPABILITIES

Our value-added services enable installers to reduce time spent during construction. Solar products can be customized to meet the needs of installers, including for labeling, holes and assembly (such as cord grips, whips or pre-wiring).

EXPRESS CUSTOMIZATION

This service allows you to modify the most popular nVent HOFFMAN enclosures - all shipped in 10 days.

- **Select from more than 1,500 enclosure and panel models**
- **Add 2D holes and cutouts where you need them**
- **Choose your paint from a 28-color palette, including OSHA safety colors**



For more information, visit
hoffman.nvent.com/solar



Our powerful portfolio of brands:

CADDY ERICO HOFFMAN RAYCHEM SCHROFF TRACER

