At NSI, we understand the importance of renewable energy. That’s why we are dedicated to providing the products that help make every solar installation productive and profitable.

We design and develop products specifically for the solar market. Some examples include our longer raintight connectors that make installation a breeze, our raintight conduit bodies and our one-piece Remke RTK connectors.
WHY NSI

- FOCUSED ON FULFILLING THE NEEDS OF DISTRIBUTORS
- TRANSACTIONAL ELECTRONIC EFFICIENCY
- “ONE ORDER, ONE INVOICE”
- WORLD-CLASS DISTRIBUTION AND FAST CYCLE LOGISTICS
- SEAMLESS TECHNICAL AND CUSTOMER SUPPORT
- DEMAND-GENERATION
NSI, Bridgeport Fittings, Remke, Metallics Fasteners and Polaris deliver innovative solar product solutions in multiple categories. We offer liquid-tight and raintight fittings, grounding and bonding products, conduit bodies, straps and Polaris® mechanical connectors, wire management devices and supplies to meet your solar installation needs. When you’re installing innovative ways to generate energy, make sure to use innovative products up to the task.
CABLE AND CONDUIT MANAGEMENT

1 LIQUID TIGHT FITTINGS — BRIDGEPORT
4 WET LOCATION FITTINGS — BRIDGEPORT
5 CONDUIT BODIES — BRIDGEPORT
7 CORDGRIPS AND CONNECTORS — REMKE
9 GROUNDING & BONDING
13 POWER CONNECTORS — POLARIS
14 COMPRESSION LUGS AND SPLICES — POLARIS
15 WIRE CABLE AND CONDUIT MANAGEMENT
15 BRIDGEPORT STRAPS

CABLE AND CONDUIT MANAGEMENT

16 CABLE TIES — POWERGRP
17 ELECTRICAL TAPE — WARRIORWRAP
18 FASTENERS — METALLICS
Bonding and grounding is an NEC requirement for any electric system. NSI has a variety of grounding and bonding connectors.

**COMBINER BOX**
All conduit systems must be rated for the environment whether raintight or wet location. NSI has products especially designed for solar.

- 4361-RT
- 431-STLI
- LB-42RT

**PV ARRAY**

**DC DISCONNECT**
Innovative patented products that are designed and created for solar installations ensure your installs are code compliant.

- 251-RT2XL
- 1521-RT

**AC DISCONNECT**
NSI has creative solutions to help solar contractors be more productive while maintaining the integrity of the all outdoor installed equipment.

- 142
- 1064-RT
- SR-100

**AC MAINS PANEL & METER**
Keep your systems safe with specialized grounding and bonding products from NSI

- POLARIS VISION TAP (SERVICE ENTRANCE RATED)
- IGB-075
- MCC-075
A COMPLETE SOLAR SOLUTION YOU CAN COUNT ON

From beginning to end, you can rely on NSI products to solve your solar installation.

We have the balance of system supplies you need to control cost and inventory while increasing your efficiency. Join the country’s biggest and best solar contractors by asking for NSI products.
Bridgeport Liquidtight fittings for flexible metal conduit are suitable for a wide range of solar installations. Our liquidtight fittings are designed to stand up to demanding, wet or corrosive environments.

**Nonmetallic Liquid Tight Connectors**

Use Bridgeport nonmetallic liquid-tight straight connectors to join nonmetallic “Type B” liquid-tight conduit to a box or enclosure in wet environments. The NPT threads, knockout gasket and inner sealing provide a liquid-tight connection.

**Metallic Liquid Tight Connectors**

Use Bridgeport liquid-tight zinc straight connectors to join metallic and nonmetallic “Type B” liquid-tight conduit to a box or enclosure in wet environments. The NPT threads, polyethylene gasket and inner sealing ring provide a liquid-tight seal.

Use Bridgeport liquid-tight steel straight connectors to join metallic liquid-tight conduit to an electrical box or enclosure in wet environments. Fitted with NPT threads and sealing gaskets, these connectors provide a liquid-tight connection.
SEALING RINGS

Use Bridgeport sealing rings to make liquid-tight connections between liquid-tight connectors, raintight connectors or threaded conduit and a box knockout. The polyethylene gasket and steel retaining ring keeps water out when secured with a locknut.

TRANSITION FITTINGS

Use Bridgeport liquid-tight transition couplings to transition between metallic or nonmetallic “Type B” liquid-tight conduit and EMT in wet locations. Patented zinc transition couplings provide a concrete-tight seal and are UL-listed as raintight.

Use Bridgeport combination couplings to join rigid or intermediate metal conduit and metallic liquid-tight conduit in wet locations. These UL-listed connectors provide a concrete-tight and listed raintight seal.
X-LONG THREAD RAINTIGHT EMT CONNECTORS

Use Bridgeport extra long raintight screw-on compression connectors to create a raintight seal between EMT and thicker enclosures or solar combiner boxes. The patented design comes with an internal sealing ring, rubber gasket and 1” NPSM threads.

RAINTIGHT EMT CONNECTORS

Use Bridgeport raintight screw-on compression connectors to create a raintight seal between EMT and an electrical box or enclosure. The patented design comes with an internal sealing ring, knockout gasket and NPSM threads.

RAINTIGHT EMT COUPLERS

The Bridgeport raintight zinc-electroplated steel EMT compression couplings are used to join two lengths of EMT conduit, creating a concrete-tight, watertight seal and long-lasting fit in a wet location.

RAINTIGHT NPT THREADED HUB CONNECTORS

Use Bridgeport RTNPT fittings to install a listed connection between EMT and threaded hubs in wet locations. RTNPT assemblies are specifically listed for connecting EMT to threaded entries and conduit bodies for a raintight seal.
Bridgeport’s raintight and wet location connectors and couplings are available for cable, EMT and rigid conduits. Our separate sealing rings ensure a raintight seal and our split-type compression rings make for fast, reliable installations.

**PVC Jacketed MC Cable Connectors**

Use Bridgeport PVC jacketed MC and TECK cable connectors to connect jacketed MC (parking deck/lot cable) or TECK cable to an electrical box or enclosure. These connectors provide a rain-tight connection for trouble-free use in damp environments.

- 595-DC2 to 597-DC2
- 895-DC2

**Raintight Reducing Sealing Washers and Locknuts**

The Bridgeport raintight galvanized steel reducing washers are used in pairs to reduce the size of knockout holes in a box or enclosure in wet locations. Users can maintain NEMA 2, 3, 3R and 4 rating on listed enclosures.

- 1061-RT Series

The Bridgeport zinc-plated steel raintight sealing conduit locknuts securely fastens threaded conduit to an unthreaded opening in a box or enclosure in wet locations. This locknut features a PVC seal that creates a raintight seal.

- 140 Series

**Raintight Offset Nipples**

Bridgeport die cast zinc raintight offset conduit nipples serves as short raceways between two raceways, enclosures or boxes with different axes in wet locations.

- 1520-RT to 1522-RT
Bridgeport’s Conduit Bodies with Integral Raintight Connectors allow access to the interior of a conduit system. Integral raintight connectors eliminate the need to thread connectors into a conduit body entry.

**TYPE LB & TYPE C**

Type LB conduit bodies allow access to the interior of a conduit system for inspection, pulling and maintenance. Compression connectors create a raintight seal when securing EMT without the need for threading connectors into the body entries.

Bridgeport Type C combination conduit bodies allow access to the interior of conduit systems for inspection, pulling and maintenance. A combined set screw and NPT threaded design allows for use with rigid conduit, IMC and EMT.

Bridgeport Type LB combination conduit bodies allow access to the interior of a conduit system for inspection, pulling and maintenance. A combined set screw and NPT threaded design allows for use with rigid conduit, IMC and EMT.

- C-41CGC thru C-46CGC
- LB-41CGC thru LB-46CGC
- LB-42RT thru LB-43RT
**TYPE LL & TYPE LR**

Bridgeport type LL combination conduit bodies allow access to the interior of a conduit system for inspection, pulling and maintenance. A combined set screw and NPT threaded design allows for use with rigid conduit, IMC and EMT.

| LL-41GC thru LL-46CGC | LR-41GC thru LR-46CGC |

**TYPE LLR**

Bridgeport conduit bodies allow access to the interior of a conduit system for inspection, pulling and maintenance. Combination bodies are used with EMT, IMC and rigid conduit. Type LL/LR bodies allow a 90-degree cable pull to the left or the right.

| LLR-41 thru LLR-46 |

Type LL/LR conduit bodies allow access to the interior of a conduit system for inspection, pulling and maintenance. Compression connectors create a raintight seal when securing EMT without the need for threading connectors into the hubs.

| LLR-42RT thru LLR-43RT |

**TYPE T**

Bridgeport type-T combination conduit bodies allow access to the interior of a conduit system for inspection, pulling and maintenance. A combined set screw and NPT-threaded design allows for use with rigid conduit, IMC and EMT.

| T-41CGC thru T-46CGC |
Remke’s line of industrial-strength PoweR-Teck connectors and cord grips deliver the best materials and construction to protect important electrical connections from destructive elements.

**POWR-TECH™ CONNECTORS**

Remke PowR-Teck™ MC cable connectors feature an exclusive one-piece design that’s more compact in size. No disassembly required—just push the cable through, tighten the connector and you’re done.

**SOLAR LIQUIDTIGHT CORD GRIPS**

Remke Helio-Seal liquidtight cord grips can be used for solar rooftop installations for faster connections and lower installed cost. Provides a watertight seal for PV module output leads to inverters and can adapt to rigid (PVC) or EMT-type conduit.
CORDGRIPS & CONNECTORS

DRAIN FITTINGS

Remke drain fittings install at the bottom of the enclosures to drain away condensation. These fittings provide continuous ventilation for the prevention and/or release of condensation when properly installed in the appropriate location.

ENGINEERED SOLUTIONS

NSI and Remke can design and manufacture custom cable connectors and cord grips for your application. Select exactly what you need, with everything from modified standard products to customized solutions based on your specifications and customer-driven design.
Equipment grounding and bonding is required on all PV systems. NSI offers a wide range of locknuts, split bushings and grounding clamps for your installation.

**GROUNDING LOCKNUTS**

The Bridgeport zinc die cast Mighty-Bond® grounding locknuts with aluminum lugs fasten threaded connectors or nipples to boxes or enclosures. The 14-4 tin-plated aluminum lugs offer an additional bonding or grounding path.

**SPLIT BUSHINGS**

Use the Bridgeport Mighty-Rite zinc die cast insulated split grounding bushings to install bushings to rigid or IMC conduit or EMT fittings before or after wire pull-through.
Bridgeport tin-plated aluminum solar panel grounding connectors are designed to prevent galvanic reactions and enhance conductivity when clamped onto the frame of a panel.

Use the Bridgeport Mighty-Bond brass enclosure grounding connectors and couplings with a zinc die cast locknut and stainless steel set screws to secure one continuous length of grounding conductors to an enclosure through a knockout.

Use the patented Mighty-Bond 1/2" brass intersystem bonding bridge with solid or stranded wire inside or outside an enclosure or panelboard in conjunction with rigid or EMT conduits with 3-equipment bonding terminations.

Mighty-Bond® Ground Rod Bridge Clamp
Ground Rod or Rebar Clamp with Stainless Steel Hardware. DB Rated

NSI grounding and bonding products provide flexible solutions for a wide range of grounding and bonding applications in the field. Use copper ground connectors for grounding or continuous loop bonding of copper wire in direct burial applications.
NSI grounding and bonding products provide flexible solutions for a wide range of grounding and bonding applications in the field. Use to ground conductor to copper water pipe, tubing, ground rods and rebar. UL-listed for direct burial applications.

**GROUND CLAMPS**

**COMPRESSION C TAPS**

Use these NSI C-tap copper main compression connectors to ensure positive all-around compression with low resistance and high pull-out values. Made from high-conductivity copper and rated for 600V applications.

**FLEXIBLE BRAID JUMPERS**

NSI grounding and bonding products provide flexible solutions for a wide range of grounding and bonding applications in the field. Use jumper grounding straps for installations involving movement from expansion or contraction.
NSI grounding and bonding products provide flexible solutions for a wide range of grounding and bonding applications in the field. Use intersystem bonding connectors to bond power and communication (phone, cable and satellite) grounding systems.

Use our neutral bar stacked circuit connectors when you need a compact design with stacked wire holes to minimize width and one-piece construction for superior mechanical performance.

Use comb connector circuits to join different sizes of copper or aluminum conductors, with multiple combination holes for 1/0-14 AWG and 6-14 AWG wires arranged in an economical, compact design of hole spacing.
Dual-rated insulation-piercing connectors are a safe, reliable, versatile choice to connect wires without stripping them and without using tape or covers. Can be installed on energized conductors and used as a splice or tap.

Polaris Black multi-tap connectors form secure connections between conductors with a rounded design and UV-resistant insulation coating. Installs with a hex key and torque wrench, with no need for cover and taping.

Polaris Edge multi-tap direct burial connectors form secure connections between conductors and feature a squared-off design and EPDM rubber insulation coating for temporary submersion or direct burial. Installs with just a hex key and torque wrench.
### COMPRESSION LUGS

NSI compression connectors terminate large, high-current wires safely, with a max voltage rating of 35kV when properly installed. The tin-plated aluminum body, chamfered entry and clear color coding make these lugs easy to use.

Use these peep hole compression connectors for flexible copper cable. The single flared barrel hole ensures ease of cable insertion, reduced strain on cable strands after installation and protects them from chafing or breaking.

### COMPRESSION SPLICES

Use dual-rated aluminum compression splice connectors to join aluminum or copper conductors. Center stop assures proper cable installation while the pre-filled oxide-inhibitor gel guarantees a conductive connection.
SUPPLIES

NSI has the high-quality, professional Supplies and solutions for your solar projects. Count on NSI for fast delivery and easy ordering.

EMT AND RIGID/IMC CONDUIT STRAPS AND CLAMP PACKS

One piece / one hole universal clamp back and strap for securing a wide variety of cable and conduit including EMT, RMC, IMC, PVC/polyolefin coated rigid conduit and IMC and more.

Bridgeport one-hole rigid pipe straps are used to secure rigid conduit and intermediate metal conduit to a variety of mounting surfaces. Zinc-plated steel construction offers a tough, corrosion resistant mounting solution in harsh environments.

Bridgeport one-hole rigid pipe straps are used to secure rigid conduit and intermediate metal conduit to a variety of mounting surfaces. Malleable iron construction offers the heaviest-duty solution with excellent impact resistance.
RIGID/IMC CONDUIT STRAPS AND CLAMP BACKS

One piece / one hole universal clamp back and strap for securing a wide variety of cable and conduit including EMT, RMC, IMC, PVC/polyolefin coated rigid conduit and IMC and more.

NYLON 12 CABLE TIES

PowerGRP cable ties are guaranteed rugged and powerful, with professional-grade strength and a self-locking design. The traditional serrated locking mechanism provides a secure grip and the bent tip allows for easy insertion.
WARRIORWRAP® PREMIUM VINYL ELECTRICAL TAPE

We designed WarriorWrap electrical tape for electrical industry professionals, with leading adhesion, breaking strength and elasticity. Used for insulating, splicing or marking cables and wires on the jobsite.

WW-832 Series
WW-732 Series
METALLICS HAS A COMPLETE LINE OF STAINLESS STEEL FASTENERS FOR YOUR JOB.

Screws, Nuts, Bolts, Washers, Anchors and Hanging Accessories
To order, contact your local sales representative.