Solar Energy

PANDUIT®

infrastructure for a connected world

The world increasingly relies on clean, renewable energy sources, and solar power has proven to be a smart choice for the future. Panduit solutions help minimize the number of suppliers needed to complete your supply chain and addresses today's most pressing solar power issues.

Panduit understands the challenges of today's solar energy industry:

Reduce Installation Time
- Select Panduit solutions are known for patented, time-saving features that reduce the required number of installation steps

Longer Operating Life
- Rated for UV compatibility; the combination of our engineering and manufacturing expertise results in products that deliver optimized life spans

Harsh Environment Applications
- Extensive testing to ensure product performance; conditions that include high wind, high vibration, intense UV exposure, extreme temperatures, and corrosive atmospheres

The Value of Partnership
- With Panduit as a partner, companies have the confidence of knowing that an entire team of knowledgeable professionals is available to provide a complete solution

If You Route It, Ground It, Protect It, or Identify It...
Panduit Can Help You Manage It

Nylon 12 Cable Ties

Panduit manufactures a large variety of cable ties ranging in sizes, styles and materials for fastening, bundling, clamping and identifying in a variety of applications. Our cable ties are known for top performance and reliability, providing the lowest threading force of any one-piece cable tie, optimizing installation time. For solar energy construction, our Nylon 12 offering is the premier choice to provide a durable tie to withstand the harshest environments found in the industry.

- Resistant to prolonged life under UV exposure
- Cable tie of choice for making attachments to galvanized frames
- Superior resistance to zinc chloride and other chemicals created when moisture comes in contact with galvanized frames

PLT Tie

G-TH-E

GTS-E

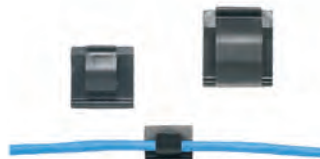| Part Number	Description	Std. Pkg. Cty	Std. Ctn. Qty.
Miniature Cross Section			
PLT1M-M120	Miniature cross section, 3.9" (99mm) length, 18-lb tensile strength, nylon 12, Black.	1000	25000
Intermediate Cross Section			
PLT1.5I-M120	Intermediate cross section, 5.6" (142mm) length, 25-lb tensile strength, nylon 12, Black.	1000	25000
Standard Cross Section			
PLT2S-M120	Standard cross section, 7.4" (188mm) length, 40-lb tensile strength, nylon 12, Black.	1000	10000
PLT2.5S-M120	Standard cross section, 9.8" (249mm) length, 40-lb tensile strength, nylon 12, Black.	1000	10000
PLT3S-M120	Standard cross section, 11.5" (292mm) length, 40-lb tensile strength, nylon 12, Black.	1000	10000
PLT4S-M120	Standard cross section, 14.5" (368mm) length, 40-lb tensile strength, nylon 12, Black.	1000	5000
Light-Heavy Cross Section			
PLT4H-TL120	Light-Heavy cross section, 14.5" (368mm) length, 90-lb tensile strength, nylon 12, Black.	250	2500
PLT8LH-C120	Light-Heavy cross section, 27.6" (701mm) length, 90-lb tensile strength, nylon 12, Black.	100	2000
Installation Tools			
GTH-E	Installs Standard, Heavy-Standard, Light-Heavy and Heavy cross section cable ties.	1	5
GTS-E	Installs Subminiature, Miniature, Intermediate and Standard cross section cable ties.	1	5

Abrasion Protection and Cable Accessories

Insulate, harness and identify electrical/electronic components and cable with Panduit abrasion protection and cable accessories. Ultraviolet, weather, and chemical resistant, heat stabilized material withstands rigors of PV installation.

- Wide variety of sizes, materials and designs are available to meet a broad range of indoor and outdoor applications
- Designed and manufactured to meet applicable quality standards including UL and CSA
- Comprehensive offering of wire management securing devices speed installation and improve reliability for any application

Adhesive Backed Cable Tie Mounts

High Bond Adhesive Backed Cord Clips

Cable Tie Mounts

Part Number	Description	Std. Pkg. Cty	Std. Ctn. Qty.
Adhesive Backed Mounts			
SGABM20-AV-C300	Super-Grip® adhesive backed cable tie mount, VHB adhesive, 0.75" x 0.75" (19.1mm x 19.1mm), nylon 6.6, heat stabilized, weather resistant, Black.	100	500
SGABM25-AV-C300	Super-Grip® adhesive backed cable tie mount, VHB adhesive, 1" x 1" (25.4mm x 25.4mm), nylon 6.6, heat stabilized, weather resistant, Black.	100	1000
SGABM30-AV-C300	Super-Grip® adhesive backed cable tie mount, VHB adhesive, 1.12" x 1.12" (28.6mm x 28.6mm), nylon 6.6, heat stabilized, weather resistant, Black.	100	500
ACC19-AV-M300	High bond adhesive backed cord clip, 0.19" (4.8mm) bundle, weather resistant, Black.	1000	5000
ACC38-AV-M300	High bond adhesive backed cord clip, 0.38" (9.7mm) bundle, weather resistant, Black.	1000	5000
ACC62-AV-D300	High bond adhesive backed cord clip, 0.62" (15.8mm) bundle, weather resistant, Black.	500	5000
ABDCM30-AV-C	Dynamic cable manager for strain relief inside a control panel door, VHB adhesive, 1.12" x 1.12" (28.4mm x 28.4mm), nylon 6.6, White.	100	500
ABMQS-AT-Q	Multiple bridge adhesive backed cable tie mount for use inside a control panel, 4-way, high temperature, White.	25	250
Cable Tie Mounts			
TM1S6-M0	Cable tie mount – screw applied, 0.32" (8.1mm)W, #6 screw (M3), weather resistant, nylon, Black, bulk package.	1000	5000
TM2S6-M0	Cable tie mount – screw applied, 0.43" (10.9mm)W, #6 screw (M3), weather resistant, nylon, Black, bulk package.	1000	5000
TM2S8-M0	Cable tie mount – screw applied, 0.43" (10.9mm)W, #8 screw (M4), weather resistant, nylon, Black, bulk package.	1000	5000

CPM122S-C

TMSTLH* Series

PUM* Series

Pan-Clamp™ Heavy Duty Fixed Diameter Clamp

Spiral Wrap

Part Number	Description	Std. Pkg. Cty	Std. Ctn. Qty.
Cable Tie Mounts (continued)			
TM2S8-C100	Cable tie mount – screw applied, 0.43" (10.9mm)W, #8 screw (M4), weather resistant Polypropylene, Black, standard package.	100	500
TM3S10-M0	Cable tie mount – screw applied, 0.61" (15.5mm)W, #10 screw (M5), weather resistant, nylon, Black, bulk package.	1000	5000
TM3S8-C100	Cable tie mount – screw applied, 0.61" (15.5mm)W, #8 screw (M4), weather resistant, Polypropylene, Black, standard package.	100	500
CPM122S-C	Control panel switch cable tie mount, 1.22" (31.0mm) hole.	100	1000
MCMS12-PJ-C	Metal clip-on cable tie mount, mechanically coated, 0.31" (8.0mm) height.	100	500
TMSTLHS6-C0	Cable tie mount, 0.25" (6.4mm) stud diameter, weather resistant nylon, Black, standard package.	100	1000
TMSTLHS8-C0	Cable tie mount, 0.31" (7.9mm) stud diameter, weather resistant nylon, Black, standard package.	100	1000
PUM-049-C0	Fir tree push mount, 0.18" – 0.19" (4.6mm – 4.9mm) panel hole diameter range, nylon, Black, standard package.	100	1000
PUM-071-C0	Fir tree push mount, 0.25" – 0.28" (6.3mm – 7.1mm) panel hole diameter range, nylon, Black, standard package.	100	1000
PUM-925-C0	Fir tree push mount, 0.34" – 0.36" (8.8mm – 9.3mm) panel hole diameter range, nylon, Black, standard package.	100	1000
PUM-100-C0	Fir tree push mount, 0.35" – 0.40" (9.0mm – 10.0mm) panel hole diameter range, nylon, Black, standard package.	100	1000
Clips and Clamps			
HCME06Y12-M30	Nylon edge clip, 0.16" – 0.35" (4.0mm – 9.0mm) bundle range, nylon 6.6 heat stabilized, Black, bulk package.	1000	—
PC038-H25D-C0	Heavy duty fixed diameter clamp, 0.38" (9.5mm) bundle, Black, standard package.	100	500
PC075-H25D-C0	Heavy duty fixed diameter clamp, 0.75" (19.1mm) bundle, Black, standard package.	100	1000
PC125-H25D-C0	Heavy duty fixed diameter clamp, 1.25" (31.8mm) bundle, Black, standard package.	100	1000
Abrasion Protection			
T50P-C0	Spiral wrap, offers abrasion protection for wires, cables, hoses and tubing, 0.50" (12.7mm) x 100' (30.48m) outside diameter, weather resistant polypropylene, Black.	1	—
GEE55N-C	Slotted grommet edging, 0.063" (1.6mm) thickness, nylon 6, natural.	1	—
HST1.5-48-5-2Y	Thick wall heat shrink, adhesive lined, 1.5" (38.1mm) diameter, 48.0" (1219.2mm) length, adhesive lined, Red, cross-linked polyolefin, five piece package quantity.	5	15
SE50PS-CLR0	Braided expandable sleeving, 0.50" (12.7mm) diameter, Black, polyethylene terephthalate, 150' per reel.	1	2
SE50P-CR0	Braided expandable sleeving, 0.50" (12.7mm) diameter, provides continuous abrasion resistance for wires, cables and tubing. The highly flexible open weave will not trap heat or humidity, Black, polyethylene terephthalate, 100' per reel.	1	4

Grounding Connectors

- Direct burial compression grounding system provides the highest performance and most reliable compression connection in the industry; offers the speed and safety of a compression connection while meeting IEE Std. 837. UL Listed for grounding and bonding
- Patented Universal Ground Bar System provides a location for the main equipment grounding conductor in each control panel and enclosure using a compression or mechanical connector

- Lay-in lugs are designed for quick installation and are offered in aluminum or copper with corrosion-resistant tin plating and stainless steel screws
- Braided bonding straps are used to electrically bond doors, motors, and machine frames in the construction of control panels or machine structures
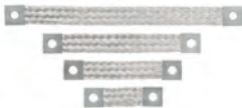
"E" Style Connector

CT-2931/ST

One-Hole Lay-In Lug

Braided Bonding Strap

Universal Ground Bar System

Part Number	Description	Std. Pkg. Cty	Std. Ctn. Qty.
Grounding Connectors			
GCE500-1/0	"E" style grounding connector for 250 – 500 kcmil (150 – 240mm²) main and #6 SOL – 1/0 STR (16 – 50mm²) tap.	1	—
GCE500-1/0	"E" style grounding connector for 1/0 STR – 250 kcmil (70 – 120mm²) main and #6 SOL – 1/0 STR tap (16 – 50mm²) tap.	1	—
GCC6X6250-1/0	Grounding cross connector for #2 SOL – 250 kcmil (35 – 120mm²) and #6 SOL – 1/0 STR AWG (16 – 50mm²) wire size.	1	—
GCC6 X6500-1/0	Grounding cross connector for 250 – 500 kcmil (150 – 240mm²) and #6 SOL – 1/0 STR AWG (15 – 50mm²) wire size.	1	—
CT-2931/ST	Crimps copper lugs up to 600 kcmil and aluminum lugs up to 350 kcmil. Tool crimp history and maintainence log recorded using CT-USB device and FINS software, 14 ton crimp tool.	1	—
One-Hole Lay-In Lugs			
LICC4-22-C	One-hole lay-in lug, copper.	100	—
LICC4-22TP-C	One-hole, lay-in lug, tin-plated copper.	100	—
Braided Bonding Straps			
BS100445U	One-hole, non-insulated, 4.00" length x 1.06" width (101.6mm x 27.0mm).	1	10
BS100845U	One-hole, non-insulated, 8.00" length x 1.06" width (203.2mm x 27.0mm).	1	10
BS101245U	One-hole, non-insulated, 12.00" length x 1.06" width (304.8mm x 27.0mm).	1	10
Universal Ground Bar			
UGB2/0-414-6	Universal ground bar accepts #14 – #4 AWG wire in six wire ports and up to a 2/0 AWG main equipment grounding conductor with a compression or mechanical connector; 4.92" (125mm) length, 0.62" (15.7mm) width, 0.48" (12.2mm) height.	1	10
UGB2/0-414-12	Universal ground bar accepts #14 – #4 AWG wire in twelve wire ports and up to a 2/0 AWG main equipment grounding conductor with a compression or mechanical connector; 8.28" (210.3mm) length, 0.62" (15.7mm) width, 0.48" (12.2mm) height.	1	10
UGB2/0-414-18	Universal ground bar accepts #14 – #4 AWG wire in eighteen wire ports and up to a 2/0 AWG main equipment grounding conductor with a compression or mechanical connector; 11.64" (295.7mm) length, 0.62" (15.7mm) width, 0.48" (12.2mm) height.	1	10
UGB-IN-SO	Universal ground bar isolation stand-offs; includes two stand-offs and hardware; 1.57" (40mm) length, 0.59" (15.0mm) width, 0.98" (25.0mm) height.	1	10
UGB-B-SO	Universal ground bar bonding stand-offs; includes two stand-offs and hardware; 2.34" (59.3mm) length, 0.63" (15.9mm) width, 0.75" (19.1mm) height.	1	10

- Regulatory Standard Compliant: Meets UL, CSA, IEC, ABS, NEBS Level 3 and OSHAl
- Protects personnel and equipment throughout the lifecycle with power connections and cable management that are easy to use, install and maintain safety

- Engineered for maximum reliability and extended service life; proves superior electrical performance in harsh environmental applications

One-Hole Lug

CT-3001/ST

Part Number	Description	Std. Pkg. Cty.	Std. Ctn. Qty.
LCA6-14-L	One-hole, standard barrel with window lug, #6 AWG wire, 1/4" (6.35) stud hole.	50	—
LCA6-56-L	One-hole, standard barrel with window lug, #6 AWG wire, 5/16" (7.94mm) stud hole.	50	—
LCA6-38-L	One-hole, standard barrel with window lug, #6 AWG wire, 3/8" (9.525mm) stud hole, standard package.	50	—
LCA4-14-L	One-hole, standard barrel with window lug, #4 – #3 AWG STR, #2 AWG SOL wire, 1/4" (6.35mm) stud hole.	50	—
LCA4-56-L	One-hole, standard barrel with window lug, #4 – #3 AWG STR, #2 AWG SOL wire, 5/16" (7.94mm) stud hole.	50	—
LCA4-38-L	One-hole, standard barrel with window lug, #4 – #3 AWG STR, #2 AWG SOL wire, 3/8" (9.525mm)stud hole.	50	—
CO225-56HK-QY	Two-hole, copper, single barrel, offset floating tongue lug, hex key screw, #2 – 4/0 AWG, 3/16" (4.8mm) stud hole.	25	—
CB125-14-QY	One-hole, copper, single barrel, offset floating tongue lug, #6 – 1/0 AWG, 1/4" (6.4mm) stud hole.	25	—
CB175-38-QY	One-hole, copper, single barrel, offset floating tongue lug, #4 – 3/0 AWG, 3/8" (9.5mm) stud hole.	25	—
LAMA350-38-QY	One-hole, aluminum, single barrel lug, type LAMA, #6 AWG – 350 kcmil, 3/8" (9.5mm) stud hole.	25	—
LAMA500-38-6Y	One-hole, aluminum, single barrel lug, type LAMA, 4 AWG – 500 kcmil, 3/8" (9.5mm) stud hole.	6	—
LAMB350-12-6Y	Two-hole, aluminum, single barrel lug, type LAMB, NEMA hole sizes and spacing, #6 AWG – 350 kcmil, 1/2" (12.7mm) stud hole.	6	—
Tool			
CT-3001/ST	Crimps Panduit copper and aluminum compression connectors using Panduit crimping dies, 6.7 ton crimp tool. Slim crimping head which makes it ideal when space is critcal.	1	—

Vinyl Insulated Ring Terminals – Funnel Entry

Meeting application challenges at the lowest installed cost

- Designed and manufactured for superior electrical performance
- Feature insulation support and brazed seam
- Rated to 221° F (105° C)

- UL® Listed and CSA Certified
- Meet UL/CSA/ABS standards when used with Panduit tools

Ring Terminals

CT-310

Part Number	Description	Std. Pkg. Qty.	Std. Ctn. Cty.
PH10-38R-E	Heat Shrink Ring Terminal 12 – 10 AWG, 3/8" (9.525mm) stud size.	20	100
PH14-38R-Q	Heat Shrink Ring Terminal 16 – 14 AWG, 3/8" (9.525mm) stud size.	25	125
PH14-10R-Q	Heat Shrink Ring Terminal 16 – 14 AWG, #10 stud size.	25	125
BSH10-E	Heat Shrink Butt Splice, 12 – 10 AWG wire range.	20	100
BSH14-Q	Heat Shrink Butt Splice, 16 – 14 AWG wire range.	25	125
DNH14-250FIB-Q	Heat Shrink Female Disconnect 16 – 14 AWG, 0.250" x 0.032" (6.3mm x 0.8mm) tab size.	25	125
Tool			
CT-310	Blue handle tool crimps Panduit #22 – 10 AWG heat shrink insulated terminals, disconnects, and splices.	1	—

Stainless Steel Cable Ties

When stength, vibration, radiation, weathering, corrosion and temperature extremes are a factor, Panduit's self-locking head design speeds installation and locks into place at any length along tie body.

- Provides strong, durable, and reliable solutions for cable bundling
- Improved productivity and worker safety for bundling, fastening, and identification in harsh environments
- Meets and exceeds the most stringent industry standards

- Can be used in a wide range of indoor, outdoor, and underground (including direct burial) applications
- Smooth surfaces and rounded edges assure cable protection and worker safety
- AISI 316 stainless steel for the most corrosive environments

Stainless Steel Ties

GS4MT

Part Number	Description	Std. Pkg. Cty.	Std. Ctn. Qty.
MLT1S-CP316	Stainless steel cable tie, standard, 1" (25mm) max bundle diameter, Stainless Steel Type 316, Min. Loop Tensile Strength 200 Lbs.		
MLT2S-CP316	Stainless steel cable tie, standard, 2" (50mm) max bundle diameter, Stainless Steel Type 316, Min. Loop Tensile Strength 200 Lbs.		
MLT2.7S-CP316	Stainless steel cable tie, standard, 2.7" (69 mm) max bundle diameter.		
MLT4S-CP316	Stainless steel cable tie, standard, 4" (102mm) max bundle diameter, Stainless Steel Type 316, Min. Loop Tensile Strength 200 Lbs		
MLT6S-CP316	Stainless steel cable tie, standard, 6" (152mm) max bundle diameter, Stainless Steel Type 316, Min. Loop Tensile Strength 200 Lbs.		
MLT4H-LP316	Stainless steel cable tie, heavy, 4" (102mm) max bundle diameter, stainless steel type 316, Min. Loop Tensile Strength 450 lbs.	50	250
MLTC2H-LP316	Nylon coated stainless steel tie, AISI 316, heavy, 7.9" (200.66mm) length.	50	250
MLTFC4H-LP316	Polyester coated stainless steel tie, AISI 316, heavy, 14.3" (363.22mm) length, Black, 50 pieces.	50	250
PCSLSH-B-CR	Cushion sleeving used with Extra-Heavy or Super-Heavy cross section ties, custom length banding system, or MS strapping "U" shaped channel design.	1	—
MTM2H-Q	Stainless steel two-way mount, one-hole mounting. Use with Standard, Light-Heavy and Heavy stainless steel ties.	25	250
UCIB1-VC	Uniclip galvanized steel I-beam bracket for use with unslotted ladder rungs.	5	25
GS4MT	Installation tool for use with the above stainless steel cross section ties.	1	—

Other lengths, thicknesses, material grades, and coatings are available.

Stainless Steel Marker Plates

Panduit offers the broadest range of permanent identification solutions for solar applications that withstand and provide legibility in harsh environments. Safe, quick, and easy to install, permanent identification solutions include stainless steel and aluminum marker plates, tags, marking tools, and ties to deliver improved productivity and workplace safety.

On-site custom marking tools provide portability for permanent identification and demand. Panduit also offers a factory custom marking service for embossed or laser etched marker plates, tags, and ties to speed installation time and reduce labor costs. This global custom marking service provides rapid response and quick product availability to keep solar projects on schedule and within budget.

304 Stainless Steel Marker Plates

Part Number	Description	Std. Pkg. Cty.	Std. Ctn. Qty.
304 Stainless Steel Marker Plates			
MMP350W38-C	Marker plate, four holes, 304 stainless steel, 3.50" (88.9mm) x 0.38" (9.65mm), standard package.	100	1000
MMP350-C	Marker plate, four holes, 304 stainless steel, 3.50" (88.9mm) x 0.75" (19.05mm), standard package.	100	1000
MMP350H-C	Marker plate, four holes, 304 stainless steel, Heavy cross section, 3.50" (88.9mm) x 0.75" (19.05mm), standard package.	100	1000
316 Stainless Steel Marker Plates			
MMP350W38-C316	Marker plate, four holes, 316 stainless steel, 3.50" (88.9mm) x 0.38" (9.65mm), standard package.	100	1000
MMP350-C316	Marker plate, four holes, 316 stainless steel, 3.50" (88.9mm) x 0.75"(19.05mm), standard package.	100	1000
MMP350H-C316	Marker plate, four holes, 316 stainless steel, heavy cross section, 3.50" (88.9mm) x 0.75" (19.05mm), standard package.	100	1000

Wiring Duct

An alternative to PVC wiring ducts, the halogen-free material has zero toxicity for enhanced fire safety and a higher continuous use temperature.

- Halogen-free modified PPO material/no chlorinated hydrocarbons
- No brominated fire retardants
- Continuous use temperature of 203° F (95° C)
- UL® 94 flammability rating of V-0
- Provided with North American standard (NE) or DIN mounting holes (Type NNC)

- Nonslip cover liner prevents cover slide
- Wide finger/slot design provides greater rigidity and use with a wide range of wire and bundle sizes
- Scorelines provide easy removal of fingers (Type NNC only) and sidewalls, saving installation time
- UL Recognized and CSA Certified

NE Duct

NNC Divider Wall

Part Number	Description	Std. Pkg. Qty.	Std. Ctn. Qty.
NE Halogen-Free Duct Base			
NE1X1WH6	1" W x 1" H, 6' length, halogen-free, White.	6	120
NE1X1.5WH6	1" W x 1.5" H, 6' length, halogen-free, White.	6	120
NE1X2WH6	1" W x 2" H, 6' length, halogen-free, White.	6	120
NE1X3WH6	1" W x 3" H, 6' length, halogen-free, White.	6	120
NE1.5X1.5WH6	1.5" W x 1.5" H, 6' length, halogen-free, White.	6	120
NE1.5X2WH6	1.5" W x 2" H, 6' length, halogen-free, White.	6	120
NE1.5X3WH6	1.5" W x 3" H, 6' length, halogen-free, White.	6	120
NE2X2WH6	2" W x 2" H, 6' length, halogen-free, White.	6	120
NE2X3WH6	2" W x 3" H, 6' length, halogen-free, White.	6	60
NE2X4WH6	2" W x 4" H, 6' length, halogen-free, White.	6	60
NE3X3WH6	3" W x 3" H, 6' length, halogen-free, White.	6	60
NE4X2WH6	4" W x 2" H, 6' length, halogen-free, White.	6	60
NE4X3WH6	4" W x 3" H, 6' length, halogen-free, White.	6	60
NE4X4WH6	4" W x 4" H, 6' length, halogen-free, White.	6	60
NNC Halogen-Free Duct Base and Cover			
NNC25X25WH2	25mm W x 25mm H x 2m length, halogen-free, White.	2	20
NNC25X37WH2	25mm W x 37mm H x 2m length, halogen-free, White.	2	20
NNC25X50WH2	25mm W x 50mm H x 2m length, halogen-free, White.	2	20
NNC25X75WH2	25mm W x 75mm H x 2m length, halogen-free, White.	2	20
NNC37X37WH2	37mm W x 37mm H x 2m length, halogen-free, White.	2	20
NNC37X50WH2	37mm W x 50mm H x 2m length, halogen-free, White.	2	20
NNC37X75WH2	37mm W x 75mm H x 2m length, halogen-free, White.	2	20
NNC50X50WH2	50mm W x 50mm H x 2m length, halogen-free, White.	2	20
NNC50X75WH2	50mm W x 75mm H x 2m length, halogen-free, White.	2	10
NNC75X75WH2	75mm W x 75mm H x 2m length, halogen-free, White.	2	10
NNC100X50WH2	100mm W x 47.8mm H x 2m length, halogen-free, White.	2	10
NNC100X75WH2	100mm W x 72.4mm H x 2m length, halogen-free, White.	2	10
NNC100X100WH2	100mm W x 97.8mm H x 2m length, halogen-free, White.	2	10
NNC Wiring Duct Divider Wall			
NNC50DWH2	2.00" (50mm) nominal duct height, 2m length, halogen-free, White.	2	40
NNC75DWH2	3.00" (75mm) nominal duct height, 2m length, halogen-free, White.	2	40

Order number of pieces required, in multiples of Standard Package Quantity.

Part Number	Description	Std. Pkg. Qty.	Std. Ctn. Qty.
NC Halogen-Free Wiring Duct Cover			
NC1WH6	1" W x 6' length, halogen-free, White.	6	120
NC1.5WH6	1.5" W x 6' length, halogen-free, White.	6	120
NC2WH6	2" W x 6' length, halogen-free, White.	6	120
NC3WH6	3" W x 6' length, halogen-free, White.	6	120
NC4WH6	4" W x 6' length, halogen-free, White.	6	120
NC25WH2*	25mm W x 2m length, halogen-free, White.	2	20
NC37WH2*	37mm W x 2m length, halogen-free, White.	2	20
NC50WH2*	50mm W x 2m length, halogen-free, White.	2	20
NC75WH2*	75mm W x 2m length, halogen-free, White.	2	20
NC100WH2*	100mm W x 2m length, halogen-free, White.	2	20

Type NC Halogen-Free Duct Cover

*The NNC Wiring Duct products are packaged base and cover together. These are replacement cover part numbers.

Hinged-Cover Wiring Duct

Hinging cover remains attached during routine maintenance or system upgrades, providing easier channel access and preventing cover loss.

- No need to completely remove cover – simple wiring changes can be up to 20% faster
- Cover can hinge open up to 100° from either sidewall of duct base
- Cover retention in vertical applications is up to two times greater than conventional wiring ducts

- Cover fully engages duct fingers, limiting sidewall flex
- For use in electrical control panel and low-voltage communications applications
- UL® Recognized and CSA Certified
- Continuous use temperature of 122°F (50°C)

H Duct

H Duct with Cover
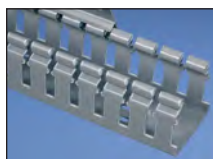
Part Number	Description	Std. Pkg. Qty.	Std. Ctn. Cty.
H Duct Base			
H1.5X2LG6	1.5" W x 2" H, 6' length, PVC, Light Gray.	6	120
H1.5X3LG6	1.5" W x 3" H, 6' length, PVC, Light Gray.	6	120
H2X2LG6	2" W x 2" H, 6' length, PVC, Light Gray.	6	120
H2X3LG6	2" W x 3" H, 6' length, PVC, Light Gray.	6	120
H2X4LG6	2" W x 4" H, 6' length, PVC, Light Gray.	6	120
H3X3LG6	3" W x 3" H, 6' length, PVC, Light Gray.	6	120
H3X4LG6	3" W x 4" H, 6' length, PVC, Light Gray.	6	120
H4X4LG6	4" W x 4" H, 6' length, PVC, Light Gray.	6	120
H Duct Cover			
HC1.5LG6	1.5" W x 6' length, PVC, Light Gray.	6	120
HC2LG6	2" W x 6' length, PVC, Light Gray.	6	120
HC3LG6	3" W x 6' length, PVC, Light Gray.	6	120
HC4LG6	4" W x 6' length, PVC, Light Gray.	6	120
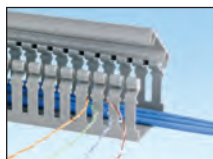
Panduit solar labels are designed to meet required safety standards for PV installation labeling. These labels are available in a variety of sizes and styles. Certain labels leave blank spaces where variable thermal transfer printing can be added when specific on-site power and series data is required. These labels are ready to print on-demand using Easy-Mark™ Labeling Software and a TDP43ME Thermal Transfer Desktop Printer. All labels are outdoor rated and are designed to have high resistance to direct UV exposure. This product solution has an optional clear over laminate to function in harsh environments.

- Expertise in workplace safety compliance; meeting requirements of stringent regulatory bodies (OSHA, ANSI and NFPA)
- Polyester material ensures outdoor durability of five years
- Complete safety solution; to control and identify energy in a workplace with lockout/tagout devices, facility signage and labeling systems

SOLAR DISCONNECT

PPS0206BSR1-SDI

⚠ CAUTION ⚠
SOLAR CIRCUIT

PPS0206CSR1-SC

WARNING ⚠
BIPOLAR PHOTOVOLTAIC ARRAY DISCONNECTION OF NEUTRAL OR GROUNDED CONDUCTORS MAY RESULT IN OVERVOLTAGE ON ARRAY OR INVERTER

PPS0204WSL1-BPA

Part Number	Description	Std. Pkg. Qty.	Std. Ctn. Qty.
Solar Specific Labels			
PPS0206BSR1-MD	1.75" H x 6.0" W (44.5mm x 152.4mm), blank header, 'Photovoltaic system main disconnect' (legend), reflective polyester adhesive, White/Red, 50 labels/roll, 50 roll/package.	50	600
PPS0206BSR1-RS	1.75" H x 6.0" W (44.5mm x 152.4mm), blank header, 'Photovoltaic system equipped with rapid shutdown' (legend), reflective polyester adhesive, Red on White.	50	600
PPS0206BSR1-SD	1.75" H x 6.0" W (44.5mm x 152.4mm), blank header, 'Photovoltaic system disconnect' (legend), reflective polyester adhesive, White/Red, 50 labels/roll, 50 roll/package.	50	600
PPS0206BSR1-SDI	1.75" H x 6.0" W (44.5mm x 152.4mm), blank header, 'Solar disconnect' (legend), reflective polyester adhesive, White/Red, 50 labels/roll, 50 roll/package.	50	600
PPS0206CSR1-DND	1.75" H x 6.00" W (44.5mm x 152.4mm), caution header, 'Do Not Disconnect Under Load' (legend), reflective polyester adhesive, White/Red, 50 labels/roll, one roll/package.	50	600
PPS0206CSR1-SC	1.75" H x 6.00" W (44.5mm x 152.4mm), caution header, 'Solar Circuit' (legend), reflective polyester adhesive, White/Red, 50 labels/roll, one roll/package.	50	600
PPS0206CSR1-SEC	1.75" H x 6.00" W (44.5mm x 152.4mm), caution header, 'Solar Electric System Connected' (legend), reflective polyester adhesive, White/Red, 50 labels/roll, one roll/package.	50	600
PPS0206WSR1-PS	1.75" H x 6.0" W (44.5mm x 152.4mm), warning header, 'Photovoltaic power source' (legend), reflective polyester adhesive, White/Red, 50 labels/roll, one roll/package.	50	600
PPS0204CSL1-C01	2.0" H x 4.0" W (50.8mm x 101.6mm), caution header, 'Solar electric system connected' (legend), polyester adhesive, Black/Yellow, 50 labels/roll, one roll/package.	50	300
PPS0204CSL1-C02	2.0" H x 4.0" W (50.8mm x 101.6mm), caution header, 'Photovoltaic system circuit is backfed' (legend), polyester adhesive, Black/Yellow, 50 labels/roll, one roll/package.	50	300
PPS0204CSL1-PVS	2.0" H x 4.0" W (50.8mm x 101.6mm), caution header, 'Pv system circuit breaker is backfed' (legend), polyester adhesive, White/Red, 50 labels/roll, 50 roll/package.	50	300
PPS0204WSL1-ACD	2.0" H x 4.0" W (50.8mm x 101.6mm), caution header "Warning: Turn Off Photovoltaic AC Disconnect Prior To Working Inside Panel"	50	300
PPS0204WSL1-BPA	2.0" H x 4.0" W (50.8mm x 101.6mm), warning header, 'Bipolar photovoltaic array disconnection…' (legend), polyester adhesive, White/Red, 50 labels/roll, 50 roll/package.	50	300
PPS0204WSL1-DCC	2.0" H x 4.0" W (50.8mm x 101.6mm), warning header, 'Electrical shock hazard the dc conductors of this photovoltaic system are ungrounded and may be energized' (legend), polyester adhesive, White/Red, 50 labels/roll, 50 roll/package.	50	300
PPS0204WSL1-DPS	2.0" H x 4.0" W (50.8mm x 101.6mm), warning header, 'Dual power source second source is a pv system' (legend), reflective polyester adhesive, White/Red, 50 labels/roll, 50 roll/package.	50	300
PPS0204WSL1-ESH	2.0" H x 4.0" W (50.8mm x 101.6mm), warning header, 'Electrical shock hazard if a ground fault is indicated, normally grounded conductors may be ungrounded and energized' (legend), polyester adhesive, White/Red, 50 labels/roll, 50 roll/package.	50	300

PPS0204WSL1-TER

PPS0204WSL1-W04

PPS0204WSL1-W08

C400X200SP1-AD

Part Number	Description	Std. Pkg. Qty.	Std. Ctn. Qty.
Solar Specific Labels (continued)			
PPS0204WSL1-IOC	2.0" H x 4.0" W (50.8mm x 101.6mm), warning header, 'Inverter output connection do not relocate this overcurrent device' (legend), polyester adhesive, White/Red, 50 labels/roll, 50 roll/package.	50	300
PPS0204WSL1-TER	2.0" H x 4.0" W (50.8mm x 101.6mm), warning header, 'Electrical shock hazard do not touch terminals terminals on both the line and load sides may be energized in the open position' (legend), polyester adhesive, White/Red, 50 labels/roll, 50 roll/package.	50	300
C200X100AWT	2.00" (50.8mm) W x 1.00" (25.4mm) H, raised panel, Red, one label/row, 500 pc. package quantity.	500	—
C300X250AWT	3.00" (76.2mm)W x 2.50" (63.5mm) H, raised panel, Red, one label/row, 500 pc. package quantity.	500	—
C400X100AWT	4.00" (101.6mm)W x 1.00" (25.4mm) H, raised panel, Red, one label/row, 500 pc. package quantity.	500	—
PPS0204WSL1-W02	2.0" H x 4.0" W (50.8mm x 101.6mm), warning header, 'Electrical shock hazard do not touch terminals terminals on both the line and load sides may be energized in the open position' (legend), polyester adhesive, Orange header and Black/White, 50 labels/roll, one roll/package.	50	300
PPS0204WSL1-W03	2.0" H x 4.0" W (50.8mm x 101.6mm), warning header 'Electrical shock hazard the dc conductors of this photovoltaic system are ungrounded and may be energized' (legend), polyester adhesive, Orange header and Black/white, 50 labels/roll, one roll/package.	50	300
PPS0204WSL1-W04	2.0" H x 4.0" W (50.8mm x 101.6mm), warning header, 'Turn off photovoltaic ac disconnect prior to working inside panel' (legend), polyester adhesive, Orange header and Black/White, 50 labels/roll, one roll/package.	50	300
PPS0204WSL1-W05	2.0" H x 4.0" W (50.8mm x 101.6mm), warning header, 'Dual power source second source is a photovoltaic system' (legend), polyester adhesive, Orange header and Black/White, 50 labels/roll, one roll/package.	50	300
PPS0204WSL1-W06	2.0" H x 4.0" W (50.8mm x 101.6mm), warning header, 'Electrical shock hazard if a ground fault is indicated, normally grounded conductors may be ungrounded and energized' (legend), polyester adhesive, Orange header and Black/White, 50 labels/roll, one roll/package.	50	300
PPS0204WSL1-W07	2.0" H x 4.0" W (50.8mm x 101.6mm), warning header, 'Bipolar photovoltaic array disconnection…' (legend), polyester adhesive, White/Red, 50 labels/roll, one roll/package.	50	300
PPS0204WSL1-W08	2.0" H x 4.0" W (50.8mm x 101.6mm), warning header, 'Inverter output connection do not relocate this overcurrent device' (legend), polyester adhesive, Orange header and Black/White, 50 labels/roll, one roll/package.	50	300
PPS0404WSL1-TER	4.0" H x 4.0" W (101.6mm x 101.6mm), warning header, 'Electrical shock hazard…' (legend), polyester adhesive, White/Red, 50 labels/roll, 50 roll/package.	50	300
PPS0404WSL1-W01	4.0" H x 4.0" W (101.6mm x 101.6mm), warning header, 'Electrical shock hazard do not touch terminals terminals on both the line and load sides may be energized in the open position…' (legend), polyester adhesive, Orange header and Black/White, 50 labels/roll, 50 roll/package.	50	300
C600X175SP1-AD	Super-tack, 1.75" H x 6.0" W (44.5mm x 152.4mm), 'Photovoltaicac disconnect' (legend), polyester, White/Red, 50 labels/roll, one roll/package.	50	600
C600X175SP1-DD	Super-tack, 1.75" H x 6.0" W (44.5mm x 152.4mm), 'Photovoltaic dc disconnect' (legend), polyester adhesive, White/Red, 50 labels/roll, one roll/package.	50	600
C400X200SP1-AD	Super-tack, 2.0" H x 4.0" W (50.8mm x 101.6mm), 'Photovoltaic ac disconnect...' (legend), polyester, White/Red, 50 labels/roll, one roll/package.	50	300
C400X400SP1-ASM	Super-tack, 4.0" H x 4.0" W (101.6mm x 101.6mm), 'Photovoltaic ac solar module...' (legend), polyester, White/Red, 50 labels/roll, 50 roll/package.	50	300
C400X400SP1-DD	Super-tack, 4.0" H x 4.0" W (101.6mm x 101.6mm), 'Photovoltaic dc disconnect...' (legend), polyester, White/Red, 50 labels/roll, one roll/package.	50	300

Part Number	Description	Std. Pkg. Qty.	Std. Ctn. Qty.
Solar Specific Labels (continued)			
C400X400SP1-DSM	Super-tack label, 4.0" H x 4.0" W (101.6mm x 101.6mm), 'Photovoltaic dc solar module...' (legend), polyester, White/Red, 50 labels/roll, one roll/package.	50	300
C400X400SP1-PS	Super-tack label, 4.0" H x 4.0" W (101.6mm x 101.6mm), 'Photovoltaic power source...' (legend), polyester, White/Red, 50 labels/roll, 50 roll/package.	50	300
PCS-SCT	Snap-on pipe marker, 4.0" H x 4.0" W (101.6mm x 101.6mm), 'Solar circuit' (legend) caution symbol, Red/White, semi-rigid polyester, ten piece/package.	10	100
PCS-PPST	Snap-on pipe marker, 4.0" H x 4.0" W (101.6mm x 101.6mm), warning header, 'Photovoltaic power source' (legend), Red/White, semi-rigid polyester, ten piece/package.	10	100
PCS-PPSU	Snap-on pipe marker, 8.0" H x 8.0" W (203.2mm x 203.2mm), warning header, 'Photovoltaic power source' (legend), Red/White, semi-rigid polyester, ten piece/package.	10	100
PCS-SCU	Snap-on pipe marker, 8.0" H x 8.0" W (203.2mm x 203.2mm), 'Solar circuit' (legend) caution symbol, Red/White, semi-rigid polyester, ten piece/package.	10	100
Computer Printable Labels			
C200X400A51	Die cut arc flash warning label, 4.00" x 2.00" (101.6mm x 50.8mm), warning header, polyester adhesive, Orange header and Black/White, 250 labels/roll, one roll/package.	1	4
C200X400YZ1	Die cut arc flash warning label, 4.00" x 2.00" (101.6mm x 50.8mm), danger header, polyester adhesive, Red header and Black/White, 250 labels/roll, one roll/package.	1	4
C400X200SL1-OL	Over-laminate label, 2.0" H x 4.0" W (50.8mm x 101.6mm), no legend, Clear laminate sheets, 250 labels/roll.	250	1000
C400X600A51	Die cut arc flash warning label, 4.00" x 6.00" (101.6mm x 152.4mm), warning header, polyester adhesive, Orange header and Black/White, 100 labels/roll, one roll/package.	1	4
C400X600AX1	Thermal transfer printable safety label, 4.00" x 6.00" (101.6mm x 152.4 mm), notice header, polyester adhesive, Black/White, 100 labels/roll, one roll/package.	1	4
C400X600AY1	Thermal transfer printable safety label, 4.00" x 6.00" (101.6mm x 152.4 mm), safety first header, polyester adhesive, Green/White, 100 labels/roll, one roll/package.	1	4
C400X600AZ1	Thermal transfer printable arc flash label, 4.00" x 6.00" (101.6mm x 152.4mm), polyester adhesive, Yellow header, 100 labels/roll, one roll/package.	1	4
C400X600YZ1	Thermal transfer printable arc flash label, 4.00" x 6.00" (101.6mm x 152.4mm), polyester adhesive, Red/White danger header, 100 labels/roll, one roll/package.	1	4
Marking Tapes			
PFM3X60BLK	3" x 60 yd. marking tape Black – US and Canada only.	1	—
PFM3X60BLU	3" x 60 yd. marking tape Blue – US and Canada only.	1	—
PFM3X60GRN	3" x 60 yd. marking tape Green – US and Canada only.	1	—
PFM3X60ORN	3" x 60 yd. marking tape Orange – US and Canada only.	1	—
PFM3X60RED	3" x 60 yd. marking tape Red – US and Canada only.	1	—
PFM3X60WHT	3" x 60 yd. marking tape White – US and Canada only.	1	—
PFM3X60YEL	3" x 60 yd. marking tape Yellow – US and Canada only.	1	—
PFMR2X30RED	2" x 30' reflective marking tape Red – US and Canada only.	1	—
PFMR3X15RED	3" x 15' reflective marking tape, Red – US and Canada only.	1	—

Arc Flash Labels

Marking Tape

Part Number	Description	Std. Pkg. Qty.	Std. Ctn. Qty.
Safety Labels			
PLVS0507W7158	Safety Label, 5.00" (127mm) x 7.00" (177.8mm), WARNING ARC FLASH HAZARD APPROPRIATE PPE REQUIRED DO NOT OPERATE CONTROLS OR OPEN COVERS WITHOUT APPROPRIATE PERSONAL PROTECTION EQUIPMENT. FAILURE TO COMPLY MAY RESULT IN INJURY OR DEATH. Outdoor durability 5 – 7 years.	1	—
PLVS0507W7159	Safety label, 5.00" (127mm) x 7.00" (177.8mm), WARNING ARC FLASH AND SHOCK HAZARD APPROPRIATE PPE REQUIRED...outdoor durability 5 – 7 years.	1	—
PLVS0507W7160	Safety label, 5.00" (127mm) x 7.00" (177.8mm), WARNING ARC FLASH AND SHOCK HAZARD APPROPRIATE PPE REQUIRED... outdoor durability 5 – 7 years, Orange/Black/White.	1	—
PLVS0507W7163	Safety Label, 5.00" (127mm) x 7.00" (177.8mm), WARNING ARC FLASH AND SHOCK HAZARD APPROPRIATE PPE REQUIRED FAILURE TO COMPLY WITH NFPA 70E REQUIREMENTS CAN RESULT IN SERIOUS INJURY OR DEATH, outdoor durability 5 – 7 years.	1	—
PLVS0507W7164	Safety label, 5.00" (127mm) x 7.00" (177.8mm), WARNING ARC FLASH AND SHOCK HAZARD APPROPRIATE PPE REQUIRED APPROPRIATE PPE AND TOOLS REQUIRED WHEN WORKING ON THIS EQUIPMENT, outdoor durability 5 – 7 years.	1	—
Computer Printable Continuous Tape			
T100X000RW1	Reflective, 1.00" x 50' (25.4mm x 15.2m).	1	4
T100X000VP1Y	White, 1.00" (25.4mm).	1	4
T100X000VQ1Y	Blue, vinyl tape. 1.00" (25.4mm) x 100' (30.48m).	1	4
T100X000VS1Y	Green, vinyl tape, 1.00" (25.4mm) x 100' (30.48m).	1	4
T100X000VU1Y	Orange, vinyl tape, 1.00" (25.4mm) x 100' (30.48m).	1	4
T100X000VW1Y	Red, vinyl tape, 1.00" (25.4mm) x 100' (30.48m).	1	4
T100X000VX1Y	Yellow, vinyl tape, 1.00" (25.4mm) x 100' (30.48m).	1	4
T100X000VY1Y	Black, vinyl tape, 1.00" (25.44mm) x 100' (30.48m).	1	4
T200X000RW1	Red reflective tape, 2.00" x 50' (50.8mm x 15.2m), reflective polyester.	1	4
T200X000VP1Y	White, vinyl tape, 2.00" (50.8mm) x 100' (30.48m).	1	4
T200X000VQ1Y	Blue, vinyl tape, 2.00" (50.8mm) x 100' (30.48m).	1	4
T200X000VS1Y	Green, vinyl tape, 2.00" (50.8mm) x 100' (30.48m).	1	4
T200X000VU1Y	Orange, vinyl tape, 2.00" (50.8mm) x 100' (30.48m).	1	4
T200X000VW1Y	Red, vinyl tape, 2.00" (50.8mm) x 100' (30.48m).	1	4
T200X000VX1Y	Yellow, vinyl tape, 2.00" (50.8mm) x 100' (30.48m).	1	4
T200X000VY1Y	Black, vinyl tape, 2.00" (50.8mm) x 100' (30.48m).	1	4
T400X000RW1	Red reflective tape, 4.00" wide x 50.0' length, reflective polyester.	1	4
T400X000VP1Y	White, vinyl tape, 4.00" (101.6mm) x 100' (30.48mm).	1	4
T400X000VS1Y	Green, vinyl tape, 4.00" (101.6mm) x 100' (30.48mm).	1	4
T400X000VW1Y	Red, vinyl tape, 4.00" (101.6mm) x 100' (30.48mm).	1	4
T400X000VX1Y	Yellow, vinyl tape, 4.00" (101.6mm) x 100' (30.48mm).	1	4
T400X000YX1	Arc flash print on-demand continous tape, 4.00" x 50' (101.6mm x 15.24m), blank (no legend), polyester adhesive, Orange header and White, one package.	1	4
Reflective Vinyl			
PRL100BY-*	Reflective number, 1" (25.4mm) legend height, (legend), reflective vinyl, Black/Yellow, 25 markers/package, one piece package quantity.	4	1
PRL150YB-*	Reflective letter, 1.5" (38.1mm) legend height, (legend), reflective vinyl, Yellow/Black, 25 markers/package, one piece package quantity.	4	1
PRL250YB-*	Reflective letter, 2.5" (63.5mm) legend height, (legend), reflective vinyl, Yellow/Black, 25 markers/package, one piece package quantity.	4	1
PRL100BY-18KIT	Reflective number kit, 1" (25.4mm) legend height, '0-9, A-D,L,P,R,S' (legend), reflective vinyl, Black/Yellow, 900 markers/package, one piece package quantity.	1	—
PRL100BY-36KIT	Reflective number kit, 1" (25.4mm) legend height, '0-9, A-Z' (legend), reflective vinyl, Black/Yellow, 950 markers/package, one piece package quantity.	1	—

Vinyl Tape

PRL100BY-18KIT

PSL-CBNT

PVT-1056

TDP43ME

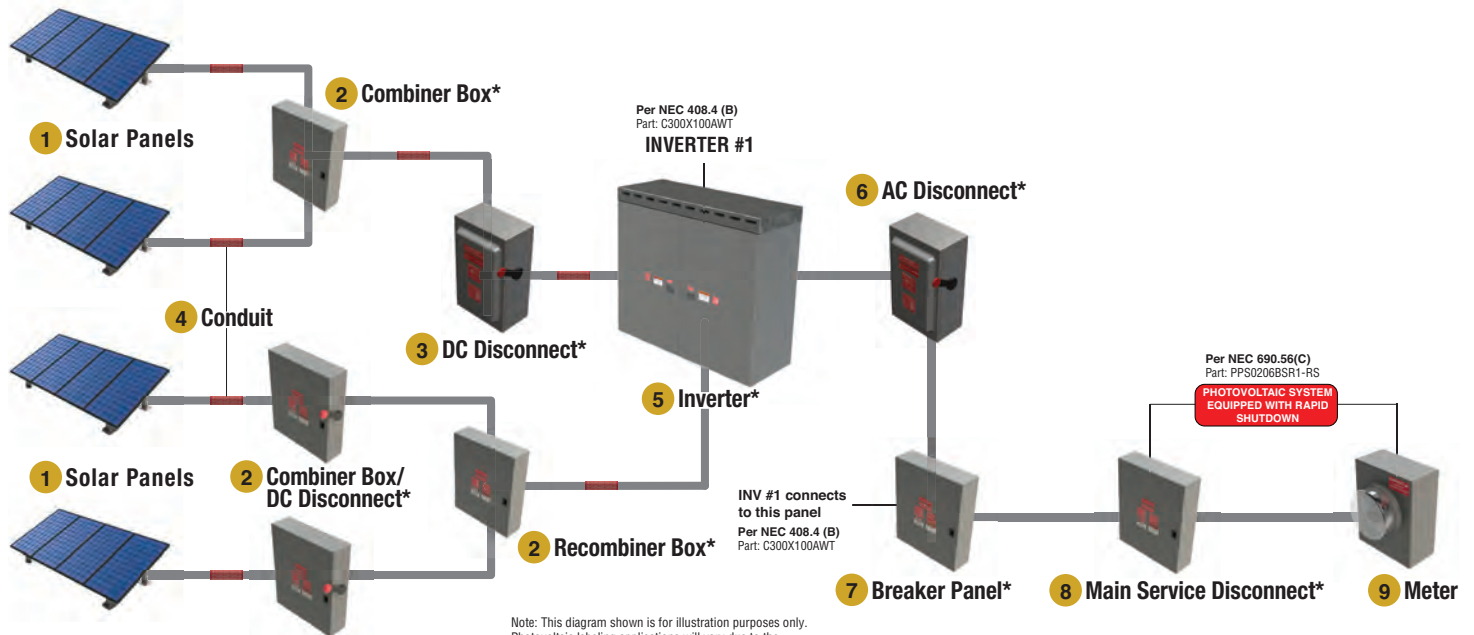| Part Number	Description	Std. Pkg. Qty.	Std. Ctn. Qty.
Lockout Devices			
PSL-PCB	PowerLOK™ Circuit Breaker Lockout Device, Red.	1	10
PSL-PCBNT	PowerLOK™, No Tool, Circuit Breaker Lockout Device, Red.	1	10
PSL-MCB	Universal miniature circuit breaker lockout.	1	10
PSL-MCBNT	No-tool miniature circuit breaker lockout.	1	10
PSL-CB	Universal circuit breaker lockout.	1	10
PSL-CBNT	"No Tool" universal circuit breaker lockout.	1	10
PSL-CBIL	Circuit breaker lockout device for use with Square D I-LINE^/Federal Pacific (FPE) circuit breakers.	1	10
PSL-CBILNT	"No Tool" circuit breaker lockout for use with Square D I-LINE^/Federal Pacific (FPE) circuit breakers.	1	10
PSL-CBL	Large handle circuit breaker lockout.	1	10
PSL-8	Non-conductive padlock, 1.58" (40.13mm) X 1.77" (44.96mm) body, Red.	1	6
PSL-MLD	Multiple lockout device; includes lockout hasp and 6.00' (1.8m) vinyl coated galvanized steel cable with loophole.	1	20
Safety Tags			
PVT-1051	Safety tags, 5.75" (146.05mm) x 3.25" (82.55mm), LO DANGER DO NT OPERATE, polyethylene plastic, package 5.	1	—
PVT-1056	Safety tags, 5.75" (146.05mm) x 3.25" (82.55mm), 'FRONT: DANGER EQUIPMENT LOCKED OUT – THIS LOCK/TAG MAY ONLY BE REMOVED BY: /BACK: DANGER THIS ENERGY SOURCE HAS BEEN LOCKED OUT! UNAUTHORIZED REMOVAL OF THIS LOCK/TAG MAY RESULT IN IMMEDIATE DISCHARGE. REMARKS: _____' (legend), polyethylene plastic, Red/Black on White, five pieces.	1	—
PVT-1057	Safety tags, 5.75" (146.05mm) x 3.25" (82.55mm), 'FRONT: DANGER LOCKED OUT DO NOT REMOVE – THIS LOCK/TAG MAY ONLY BE REMOVED BY: /BACK: DANGER THIS ENERGY SOURCE HAS BEEN LOCKED OUT! UNAUTHORIZED REMOVAL OF THIS LOCK/TAG MAY RESULT IN IMMEDIATE DISCHARGE. REMARKS: _____' (legend), Polyethylene Plastic, Red/Black on White, five pieces.	1	—
Label Printers and Accessories			
TDP43ME	300 dpi printer; includes printer, Panduit® Easy-Mark™ Labeling Software, RMEH4BL hybrid black ribbon, AC power adapter with US power cord, USB cable, user manual, quick start card, and driver disk; for use in North America.	1	—
TDP43ME-KIT	TDP43ME printer kit. Includes: printer, Panduit® Easy-Mark™ Labeling Software, RMEH4BL hybrid black ribbon, AC power adapter with US power cord, USB cable, user manual, quick start card, TDP43ME-RS roll stand, TDP43ME-CASE, one roll of S100X150VATY labels, and driver disk.	1	—
RMER4BL	Ribbon for use with the TDP43ME thermal transfer desktop printer, 4.25" (107.95mm) wide, 300' (91.44m) long, resin thermal transfer, black, twelve standard carton quantity.	1	12
RMER4WH	Ribbon for use with the TDP43ME thermal transfer desktop printer, 4.25" (107.95mm) wide, 300' (91.44m) long, resin thermal transfer, white, twelve standard carton quantity.	1	6
TDP43ME-CUTTER	Optional power/automatic cutter for TDP43ME thermal transfer desktop printer; easy to install for automatic cutting of labels.	1	—

Solar Labeling Requirements

NEC 2014 Article 690 & IFC 2012

General Labeling Requirements

IFC 605.11.1.3: "Adhesive fastened vinyl signs are to be weather resistant."

NEC 110.21: "The label shall be of sufficient durability to withstand the environment involved."

NEC 110.21(B): "Where required, labels and field markings shall conform to ANSI Z535.4-2011."

2 Combiner Box*

1 Solar Panels

Per NEC 408.4 (B)
Part: C300X100AWT
INVERTER #1

6 AC Disconnect*

4 Conduit

3 DC Disconnect*

5 Inverter*

Per NEC 690.56(C)
Part: PPS0206BSR1-RS
PHOTOVOLTAIC SYSTEM EQUIPPED WITH RAPID SHUTDOWN

1 Solar Panels

2 Combiner Box/ DC Disconnect*

INV #1 connects to this panel
Per NEC 408.4 (B)
Part: C300X100AWT

2 Recombiner Box*

7 Breaker Panel*   **8** Main Service Disconnect*   **9** Meter

*Arcflash labels are required for sections marked with an asterisk.

Note: This diagram shown is for illustration purposes only. Photovoltaic labeling applications will vary due to the project scope and related local specifications.

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1 Solar Panels

Per NEC 690.51

PHOTOVOLTAIC DC SOLAR MODULE

OPEN CIRCUIT VOLTAGE	V
OPERATING VOLTAGE	V
MAX. PERMISSABLE SYSTEM VOLTAGE	V
OPERATING CURRENT	A
SHORT-CIRCUIT CURRENT	A
MAXIMUM POWER	W

Part No: C400X400SP1-DSM

Per NEC 690.52

PHOTOVOLTAIC AC SOLAR MODULE

NOMINAL OPERATING VOLTAGE	V
NOMINAL OPERATING FREQUENCY	Hz
MAXIMUM AC POWER	W
MAXIMUM AC CURRENT	A
MAX. OVERCURRENT DEVICE RATING FOR AC MODULE PROTECTION	A

Part No: C400X400SP1-ASM

2 **3** Combiner Box/DC Disconnect

Per NEC 690.31(G) & IFC 605.11.1.2

WARNING ⚠
PHOTOVOLTAIC POWER SOURCE

Part No: PPS0206WSR1-PS

Per NEC 690.17 (E)

⚠ WARNING
ELECTRICAL SHOCK HAZARD
DO NOT TOUCH TERMINALS
TERMINALS ON BOTH THE LINE AND LOAD SIDES MAY BE ENERGIZED IN THE OPEN POSITION
DC VOLTAGE IS ALWAYS PRESENT WHEN SOLAR MODULES ARE EXPOSED TO SUNLIGHT

Part No: PPS0404WSL1-W01

Per NEC 690.33(E)(2)

⚠ CAUTION ⚠
DO NOT DISCONNECT UNDER LOAD

Part No: PPS0206CSR1-DND

Per NEC 110.27 (C)

DANGER
ELECTRICAL EQUIPMENT AUTHORIZED PERSONNEL ONLY

Part No:
PPS0305D70   PPS0710D70
PPS1014D70   PRS1014D70

Per IFC 605.11.1

SOLAR DISCONNECT

Part No: PPS0206BSR1-SDI

Per NEC 690.13 (B and NEC 690.53

PHOTOVOLTAIC DC DISCONNECT

RATED MAX. POWER-POINT CURRENT	A
RATED MAX. POWER-POINT VOLTAGE	V
MAXIMUM SYSTEM VOLTAGE	V
SHORT-CIRCUIT CURRENT	A
MAXIMUM RATED OUTPUT CURRENT OF THE CHARGE CONTROLLER	A

Part No: C400X400SP1-DD

Per NEC 690.35 (F)

PHOTOVOLTAIC AC DISCONNECT

Part No: C600X175SP1-DD

Per NEC 690.35 (F)

⚠ WARNING
ELECTRICAL SHOCK HAZARD
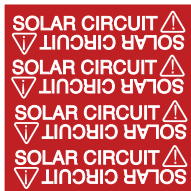THE DC CONDUCTORS OF THIS PHOTOVOLTAIC SYSTEM ARE UNGROUNDED AND MAY BE ENERGIZED

Part No: PPS0204WSL1-W03

4 Conduit

Per NEC 690.31 (G)
and IFC 605.11.1.2

SOLAR CIRCUIT
SOLAR CIRCUIT
SOLAR CIRCUIT
SOLAR CIRCUIT

Part No: PCS-SCT
PCS-SCU

Per NEC 690.31 (G)

WARNING
PHOTOVOLTAIC
POWER SOURCE

Part No: PCS-PPST
PCS-PPSU
SSL0204-PPS

5 Inverter

Per NEC 690.5 (C)

WARNING
ELECTRICAL SHOCK HAZARD
IF A GROUND FAULT IS INDICATED,
NORMALLY GROUNDED CONDUCTORS
MAY BE UNGROUNDED AND ENERGIZED

Part No: PPS0204WSL1-W06
Per NEC 690.54

PHOTOVOLTAIC AC DISCONNECT
RATED AC OUTPUT CURRENT _____ A
NOMINAL OPERATING AC VOLTAGE _____ V

Part No: C400X200SP1-AD

Per NEC 690.35 (G)

WARNING
ELECTRICAL SHOCK HAZARD
AC/DC INVERTER
PANDUIT   PPS0103WSL1-W09

Part No: PPS0103WSL1-W09
Per NEC 690.33 (E)(2)

CAUTION
DO NOT DISCONNECT UNDER LOAD

Part No: PPS0206CSR1-DND

6 AC Disconnect*

Per IFC 605.11.1, NEC 690.15
and NEC 690.13(B)

PHOTOVOLTAIC AC DISCONNECT

Part No: C600X175SP1-AD
Per NEC 690.52

PHOTOVOLTAIC AC SOLAR MODULE
NOMINAL OPERATING VOLTAGE _____ V
NOMINAL OPERATING FREQUENCY _____ Hz
MAXIMUM AC POWER _____ W
MAXIMUM AC CURRENT _____ A
MAX. OVERCURRENT DEVICE RATING _____ A
FOR AC MODULE PROTECTION
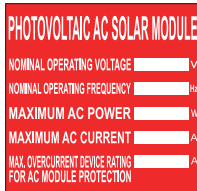
Part No: C400X400SP1-ASM

Per NEC 690.54

PHOTOVOLTAIC AC DISCONNECT
RATED AC OUTPUT CURRENT _____ A
NOMINAL OPERATING AC VOLTAGE _____ V

Part No: C400X200SP1-AD
Per NEC 690.17 (E)

WARNING
ELECTRICAL SHOCK HAZARD
DO NOT TOUCH TERMINALS
TERMINALS ON BOTH THE LINE AND
LOAD SIDES MAY BE ENERGIZED
IN THE OPEN POSITION

Part No: PPS0204WSL1-W02

7 Breaker Panel*

Per NEC 690.5 (C)

WARNING
ELECTRICAL SHOCK HAZARD
IF A GROUND FAULT IS INDICATED,
NORMALLY GROUNDED CONDUCTORS
MAY BE UNGROUNDED AND ENERGIZED

Part No: PPS0204WSL1-W06
Per NEC 110.27(C)

WARNING
TURN OFF PHOTOVOLTAIC
AC DISCONNECT PRIOR TO
WORKING INSIDE PANEL

Part No: PPS0204WSL1-W04
Per NEC 690.17 (E)

WARNING
ELECTRICAL SHOCK HAZARD
DO NOT TOUCH TERMINALS
TERMINALS ON BOTH THE LINE AND
LOAD SIDES MAY BE ENERGIZED
IN THE OPEN POSITION

Part No: PPS0204WSL1-W02

Per NEC 690.35 (F)

WARNING
ELECTRICAL SHOCK HAZARD
IF A GROUND FAULT IS INDICATED,
NORMALLY GROUNDED CONDUCTORS
MAY BE UNGROUNDED AND ENERGIZED

Part No: PPS0204WSL1-W03
Per NEC 705.12(D)(4) and NEC 690.64

CAUTION
PHOTOVOLTAIC SYSTEM
CIRCUIT IS BACKFED

Part No: PPS0204CSL1-C02
Per NEC 690.33 (E)(2)

CAUTION
DO NOT DISCONNECT UNDER LOAD

Part No: PPS0206CSR1-DND

8 Main Service Disconnect*

Per NEC 690.53, NEC 690.14(C)(2),
IFC 605.11.1, and IFC 605.11.4

PHOTOVOLTAIC SYSTEM
MAIN DISCONNECT

Part No: PPS0206BSR1-MD
Per NEC 705.12(D)(4)
and NEC 690.64

CAUTION
PHOTOVOLTAIC SYSTEM
CIRCUIT IS BACKFED

Part No: PPS0204CSL1-C02
Per NEC 110.27(C)

WARNING
TURN OFF PHOTOVOLTAIC
AC DISCONNECT PRIOR TO
WORKING INSIDE PANEL

Part No: PPS0204WSL1-W04

Per IFC 605.11.1

SOLAR DISCONNECT

Part No: PPS0206BSR1-SDI

Per NEC 690.53, NEC 690.14(C)(2),
IFC 605.11.1, and IFC 605.11.4

CAUTION
SOLAR ELECTRIC
SYSTEM CONNECTED

Part No: PPS0206CSL1-C01
Per NEC 690.17 (E)

WARNING
ELECTRICAL SHOCK HAZARD
DO NOT TOUCH TERMINALS
TERMINALS ON BOTH THE LINE AND
LOAD SIDES MAY BE ENERGIZED
IN THE OPEN POSITION

Part No: PPS0204WSL1-W02

9 Meter

Per NEC 690.5 (C)

WARNING
ELECTRICAL SHOCK HAZARD
IF A GROUND FAULT IS INDICATED,
NORMALLY GROUNDED CONDUCTORS
MAY BE UNGROUNDED AND ENERGIZED

Part No: PPS0204WSL1-W06

Per NEC 690.53, NEC 690.14(C)(2),
IFC 605.11.1, and IFC 605.11.4

CAUTION
SOLAR ELECTRIC
SYSTEM CONNECTED

Part No: PPS0206CSL1-C01

Additional Print On-Demand – Per NEC 690.31(E)(4), IFC 605.11.1.2, & NEC 690.4(B)

Wire/Cable Identification

Marker Plates
M300X100Y7T
M300X100Y6T
M300X100AIT

Heat Shrink Labels
H200X025H1T
H200X034H1T
H200X044H1T
H200X064H1T

Equipment Identification

INVERTER #1

INVERTER CONNECTS
TO COMBINER BOX 1 AND 2

Raised Panel Labels
C200X100AWT
C300X100AWT
C300X250AWT
C400X100AWT

**Super-Tack
Polyester Labels**
C100X050YPT
C200X100YPT
C300X200YPT
C400X300YPT

Reflective Tapes
T400X000RW1

Arc Flash Requirements

Per NFPA 70E 2012 130.5 (C)

WARNING
ARC FLASH & SHOCK HAZARD
APPROPRIATE PPE REQUIRED

Part No: C400X600A51

Solar Energy Solutions

NEC 690 Labeling Requirements

NEC 690.5(C): A warning label shall appear on the utility-interactive inverter or be applied by the installer near the ground-fault indicator at a visible location

NEC 690.13(B): Each photovoltaic system disconnect means shall be permanently marked to identify it as a photovoltaic system disconnect.

NEC 690.15: If the equipment is energized from more than one source, the disconnecting means shall be grouped and identified.

NEC 690.17(E): Where all terminals of the disconnecting means may be energized in the open position, a warning sign shall be mounted on or adjacent to the disconnecting means.

NEC 690.31(G): PV power circuit labels shall appear on every section of the wiring system that is separated by enclosures, walls, partitions, ceilings, or floors. Spacing between labels or markings, or between a label and a marking, shall not be more than 3m (10 ft).

NEC 690.33(E)(2): Interruption of Circuit. Connectors shall be a type that requires the use of a tool to open and marked "Do Not Disconnect Under Load".

NEC 690.35(F): The PV power source shall be labeled at each junction box, combiner box, disconnect, and device where energized, ungrounded circuits may be exposed during service.

NEC 690.51: Modules shall be marked with identification of terminals or leads as to polarity, maximum overcurrent device rating for module protection, and with the appropriate ratings.

NEC 690.52: Alternating-current modules shall be marked with the information seen on the label.

NEC 690.53: A permanent label for the direct-current photovoltaic power source shall have all the information seen on the label above.

NEC 690.54: All interactive system(s) points of interconnection with other sources shall be marked at an accessible location at the disconnecting means as a power source and with the rated AC output current and the nominal operating AC voltage.

NEC 690.55: Photovoltaic power systems employing energy storage shall also be marked with the maximum operating voltage, including any equalization voltage and the polarity of the grounded circuit conductor.

NEC 690.56(C): Each rapid shutdown switch shall be permanently marked on reflective material with the following wording: "PHOTOVOLTAIC SYSTEM EQUIPPED WITH RAPID SHUTDOWN".

NEC 690.64: Point of connection shall be in accordance with 705.12.

NEC 705.12(D)(4): Equipment containing overcurrent devices in circuits supplying power to a busbar or conductor supplied from multiple sources shall be marked to indicate the presence of all sources.

Field Marking Requirements

NEC 110.16: Electrical equipment that are in other dwelling units shall be field marked to warn qualified persons of potential electric arc flash hazards. The marking shall be located so as to be clearly visible.

NEC 110.24(A): Service equipment in other than dwelling units shall be legibly marked in the field with the maximum available fault current.

NEC 110.27(C): Entrances to rooms and other guarded locations that contain exposed live parts shall be marked with conspicuous warning signs forbidding unqualified persons to enter.

NEC 230.2(E): Where a building or structure is supplied by more than one service, a permanent plaque shall be installed at each service disconnect location denoting all other services.

NEC 408.4(B): All switchboards, switchgear, and panelboards supplied by feeder(s) in more than two-family dwellings shall be marked to indicate each device or equipment where the power originates.

NFPA 2012 130.5(C): SEE NEC 110.16. Check latest 2012 Arc Flash Requirements.

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If you route it, ground it, connect it, protect it, or identify it... **Panduit can help you manage it**.

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