

Solar Solutions



Expertise Applied | Answers Delivered



- Fuses & Fuse Holders
- Protection Relays
- Distribution Blocks
- Protection Arrays
- TVS Diodes
- Varistors

soltaction™ by vynckier



- Fiberglass Enclosures
- Combiner Boxes
- Terminal Boxes



- Switching
- Controls
- Protection
- Metering
- Monitoring
- Combiner boxes
- Largest supplier of components to the inverter OEM Market!



Southwire®

Photovoltaic Wire

Bare or Tinned Stranded Copper Conductors
XLP Insulation
-40°C to +90°C
600 Volts

Applications

For use in solar power applications
Rated 90°C for exposed or concealed wiring in wet or dry locations
For direct burial when used as USE-2 conductors



Thomas & Betts

A Member of the ABB Group

- Solar Panel Hold Down Clamps
- Grounding Washer
- Solar Clip
- Aluminum Solar Panel Grounding



Hammond Power Solutions



- Dry Type Transformers
- Low Voltage Grid Tie
- Medium Voltage Grid Tie
- Grounding Transformers



Cylindrical Fuses & Disconnectors

The best solution for protecting strings, inverters and surge arresters in photovoltaic systems. Disconnect Switches: Dinrail, Base or door mounted versions available, as well as an offering for string protection

Miniature circuit-breakers

- interchangeable terminals
- central trip safe disconnection of all poles
- contact status displayed for each pole
- polarity independent wiring

Surge Protective Devices

- OVR PV T1 and T2 version
- Auto-protected from end-of-life short circuits up to 10 kA DC
- pluggable cartridges for easy maintenance, no need to disconnect the line
- auxiliary contact for remote signaling of line status ("TS" version)
- absence of short circuit follow current
- absence of risk for reversed polarity
- "Y" configuration for a safer protection

Rapid Shutdown PV Vault

- 600V DC/20amps or less
- Connects 2 to 4 strings/arrays
- Dual MPPT outputs maintain the benefits of inverter channels
- Discharges PV array within 10 seconds
- Quick installation with two connections

Distribution Blocks

Adapted to the most recent solar inverters requirements w/ a voltage rating going up to 1500V DC IEC (1000V DC UL).

- 3 configurations in 1 single product:
- Eliminates the need for bus bars, isolators, fasteners or protection screens.



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1500 Vdc Products

- SPXV String Fuses
- SPXI In-Line Fuses
- SPNH Fuses
- LFPXV Fuse Holders
- LPXV Fuse Holders

1000Vdc Products

- SPFJ High Amp Fuses
- SPF String Fuses
- SPFI In-Line Fuses
- LFJ1000 Open-Face Fuse Blocks
- SPFR Class R Fuses
- SPFRHV Open-Face Fuse Blocks
- LPHV Touch-Safe Fuse Holders

600Vdc Products

- POWR-Bar Bus Bar
- LFPSC / LFPSM Dead-Front fuse holders
- KLKD 10x38mm (Midget) Fuses
- POWR-BLOKS Distribution Blocks

Over Voltage & Switching

Electronic Products

- IGBT Power Modules
- Transient Voltage Suppression (TVS) Diodes
- Overtoltage Suppression Varistors (MOV)

Protection Relay Products

- SE-601 Ground-Fault Monitor
- EL731 Sensitive Earth-Leakage Relay



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Solar Panel Hold Down Clamps

- Rugged Corrosion Resistant Materials
- Time Saving Features
- Self-Oriented Channel nut is staked to both to ensure fast, easy installation
- Can be used with both 1 1/2" & 1 5/8"

Solar Panel Grounding Washer

- Slotted for quicker installation
- Can be used on Carbon Steel & Aluminum strut Channel

Aluminum Solar Panel Grounding

- Simplifies daisy-chained copper ground wire attachment to solar arrays with a wire slot oriented in the proper direction of the cable run. Unique set screw design abrades tough anodized aluminum frame for solid electrical contact.

Solar Clip

- Quickly slip the cables in and out of the clamp for ice removal, readjustment, or other maintenance. Quick and easy installation, no tools required. Metal-free construction reduces the need for grounding. Perfect for strength stability in heat of solar applications.



by vynckier

Residential Combiner Boxes

Model RF- can handle three strings. The box combines and fuses three positive inputs and combines three negative inputs to a single positive output and negative output.

Model RF-4 - can handle four strings. The box combines and fuses four positive inputs and combines four negative inputs to a single positive output and negative output.

Residential Transition Boxes

Model RU-1 provides a quick, simple, and easy transition between a micro inverter trunk cable and stranded wire.

Model RU-2 provides a quick, simple, and easy transition point for string inverters and optimizers. Included jumpers enable combinations of 2 strings to be made, eliminating the need for U-joints, Y-connectors, or connector boxes.

Commercial CDF Combiners

Ample working space and a straightforward, simple layout that is easy for installers.

Electrical

- Maximum Voltage: 600 or 1000 V
- Disconnect Sizes (Load Break): 100, 200, 250, 320, 400 A
- Number of Inputs: 6 to 40
- Terminals: Dual Listed for Copper or Aluminum, 90°C Rated

Options

- Blown Fuse Indicating Fuse holders
- Installed & Pre-Wired Surge Protective Devices (SPD)
- Installed NEMA 4X Breather/Drain
- Mechanical Output Lugs / Dual Output Lugs
- Fuses: Preinstalled, certified 8, 10, 12, 15, 20, 25, 30A
- Preinstalled harnesses / whips
- Custom inkjet logos and printing on enclosure
- Custom pre-drilled holes in enclosure



Autotransformers for use w/ Inverters

Select HPS autotransformers for optimized performance in solar installation with inverters in AC blocks from 20 kW to 500kW.

480 VAC native PV Inverters with autotransformers save \$ & increase energy production versus native 208 VAC PV inverter solutions & can be used in either step-down (208 VAC, 240VAC, 400VAC) or step-up (600VAC) applications.



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