



## Introducing Solar Identification Labels



## KEY FEATURES

- Recommended for use in identification of DC Disconnects and Inverters.
- For use on painted smooth metal and textured metal surfaces.
- Excellent durability in extreme outdoor elements such as UV, rain, humidity, cold and salt spray.
- Multiple formats available
- RoHS Compliant
- Outdoor durability for this label is unmatched by other labels in its class.

## DESCRIPTION

TE Connectivity introduces label solutions for Solar Panel Installation per the National Electric Code (NEC) specification. Labels are manufactured using ultraviolet (UV) resistant ink, permanent acrylic adhesive and base material designed to withstand environmental elements. A laminate is added to provide additional protection against prolonged UV exposure.

## APPLICATIONS

### Renewable Energy:

- Solar : DC Switches, Combiner Boxes
- Wind : DC Switches

## TEMPERATURE RATINGS

### Service Temperature:

- -51°C to 93.3°C (-60°F to 200°F)

## STANDARDS AND SPECIFICATIONS

**ASTM D 3652** : Physical Construction

**ASTM D 3330** : Adhesion

**ASTM D 2979** : Adhesion

**ASTM D 1000** : Flammability

**ASTM D 3759** : Tensile Strength and Elongation

**MIL-STD 202G** : Method 215

**ASTM D 3424** : Method 4, UV Light exposure

**ASTM G85** : Annex 5, Salt Spray - Prohesion

**ASTM 81531** : Print Adherence

UL PGDQ2 MH17001

UL PGJ12 MH17292

## MATERIALS

- High performance vinyl base material
- UV resistant ink
- UV resistant clear lamination

PRODUCT OFFERING

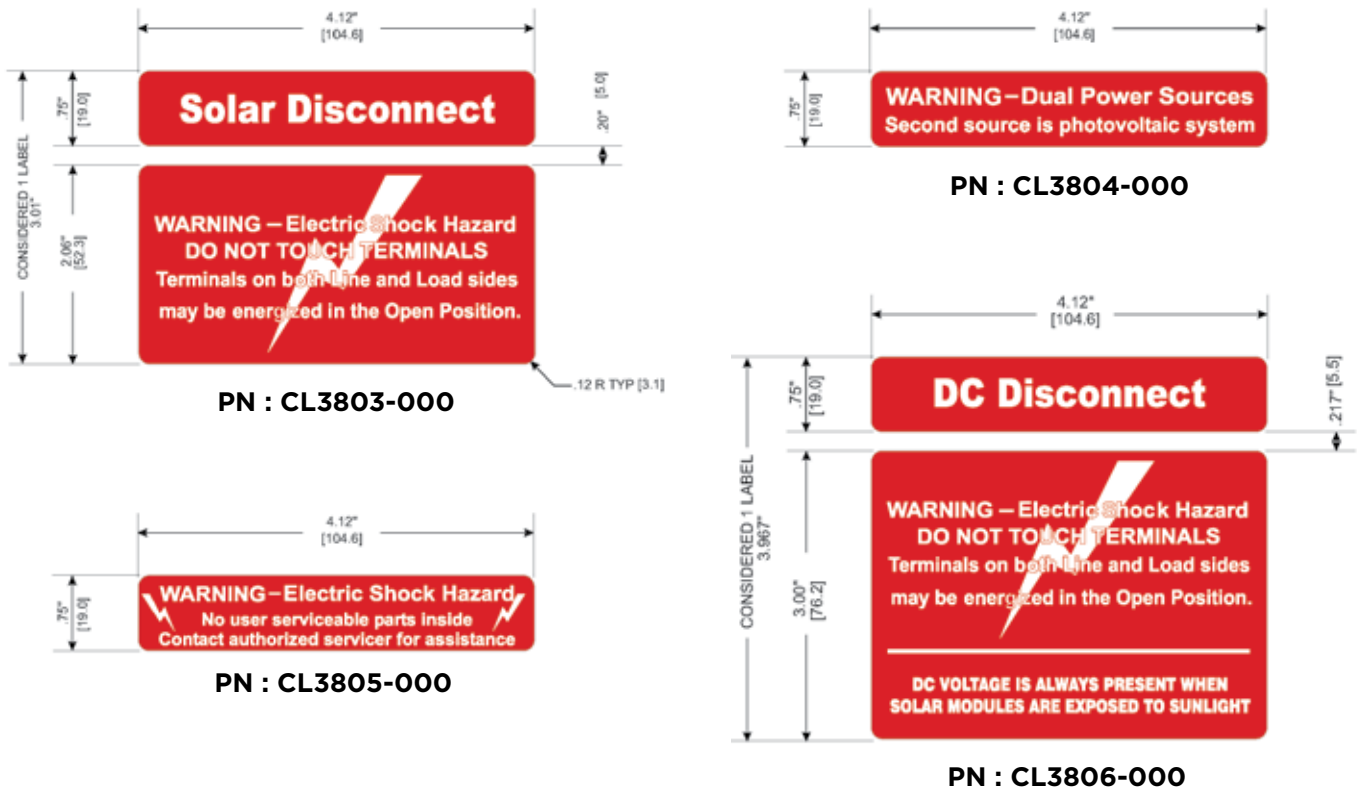
100 Quantity Per Roll

| TE Ordering Description | SAP Part Number | Label Description               |
|-------------------------|-----------------|---------------------------------|
| SOL-SD-104076-4-0.1     | CN4616-000      | Solar Disconnect                |
| SOL-DCD-104100-4-0.1    | CN4619-000      | DC Disconnect                   |
| SOL-DPS-104019-4-0.1    | CN4618-000      | Warning - Dual Power Sources    |
| SOL-EHS-104019-4-0.1    | CN4617-000      | Warning - Electric Shock Hazard |

500 Quantity Per Roll

| TE Ordering Description | SAP Part Number | Label Description               |
|-------------------------|-----------------|---------------------------------|
| SOL-SD-104076-4-0.5     | CL3803-000      | Solar Disconnect                |
| SOL-DCD-104100-4-0.5    | CL3806-000      | DC Disconnect                   |
| SOL-DPS-104019-4-0.5    | CL3804-000      | Warning - Dual Power Sources    |
| SOL-EHS-104019-4-0.5    | CL3805-000      | Warning - Electric Shock Hazard |

PRODUCT DIMENSIONS



**PRODUCT OFFERING**

**100 Quantity Per Roll**

| TE Ordering Description | SAP Part Number | Label Description               |
|-------------------------|-----------------|---------------------------------|
| SOL-SRS-127508N-1-4     | CR0780-000      | System Inverter Rating          |
| SOL-CP-127508N-1-X      | CR0781-000      | Laminate for above label        |
| SOL-SRS-127698N-1-4     | CR0782-000      | System Charge Controller Rating |
| SOL-CP-127698N-1-X      | CR0783-000      | Laminate for above label        |
| SOL-SRS-812120N-1-4     | CR0784-000      | Generic System Rating           |
| SOL-CP-812120N-1-X      | CR0785-000      | Laminate for above label        |

**500 Quantity Per Roll**

| TE Ordering Description | SAP Part Number | Label Description               |
|-------------------------|-----------------|---------------------------------|
| SOL-SRS-127508N-.5-4    | CR0786-000      | System Inverter Rating          |
| SOL-CP-127508N-.5-X     | CR0787-000      | Laminate for above label        |
| SOL-SRS-127698N-.5-4    | CR0788-000      | System Charge Controller Rating |
| SOL-CP-127698N-.5-X     | CR0789-000      | Laminate for above label        |
| SOL-SRS-812120N-.5-4    | CR0791-000      | Generic System Rating           |
| SOL-CP-812120N-.5-X     | CR0792-000      | Laminate for above label        |

NOTE : Solar labels SOL-SRS127508 and SOL-SRS127698 will be oriented on the roll so that they will be compatible with the thermal transfer printers. 1330-0607 is the recommended ribbon.

**PRODUCT DIMENSIONS**

**SOL-SRS-127508N-1-4**  
5.00"W X 2.00"H

|                              |                      |   |
|------------------------------|----------------------|---|
| RATED OPERATING CURRENT:     | <input type="text"/> | A |
| RATED OPERATING VOLTAGE:     | <input type="text"/> | V |
| MAXIMUM SYSTEM VOLTAGE:      | <input type="text"/> | V |
| RATED SHORT-CIRCUIT CURRENT: | <input type="text"/> | A |

**SOL-SRS-127698N-1-4**  
5.00"W X 2.75"H

|                                 |                      |   |
|---------------------------------|----------------------|---|
| RATED OPERATING CURRENT:        | <input type="text"/> | A |
| RATED OPERATING VOLTAGE:        | <input type="text"/> | V |
| MAXIMUM SYSTEM VOLTAGE:         | <input type="text"/> | V |
| RATED SHORT-CIRCUIT CURRENT:    | <input type="text"/> | A |
| POLARITY OF GROUNDED CONDUCTOR: | <input type="text"/> |   |
| MAXIMUM VOLTAGE:                | <input type="text"/> | V |

**SOL-SRS-812120N-1-4**  
3.20"W X 4.72"H

|                           |                      |
|---------------------------|----------------------|
| Peak Power:               | <input type="text"/> |
| Max Power Voltage:        | <input type="text"/> |
| Max Power Current:        | <input type="text"/> |
| Max Open Circuit Voltage: | <input type="text"/> |
| Short Circuit Current:    | <input type="text"/> |



## KEY FEATURES

- Reflectivity even in poor visibility and bad weather conditions.
- Its special impact and scratch resistant surface and flexibility make it suitable for identification in darkened areas, i.e, conduit raceways, enclosures, etc.
- Complies with international specifications for reflective materials including ASTM D4956.
- White reflective lettering jumps out from the red ink when hit with a light source like a flashlight.
- 7 – 10 year outdoor durability (longer for indoor or protected from weather).
- Highly flexible for uneven surfaces, painted, smooth metal or textured metal surfaces.
- Reflective properties are built in, not a 'charge time' film.
- Resistant to most oils and greases.

## DESCRIPTION

Reflective solar labels are manufactured using retro reflective marking to provide emergency responders with appropriate warning and guidance relative to isolating the solar electric system. The label(s) were designed to be in accordance with the dimensional, functional and verbiage requirements established by the California Fire Marshall's April 2009, Solar Photovoltaic Installation Guideline.

## APPLICATIONS

Use at the Main Service Disconnect, and DC conduit, raceways, enclosures, cable assemblies and junction boxes on solar photovoltaic installations.

## MATERIALS

**CAUTION SOLAR CIRCUIT** : Permanent solvent based adhesive

5 mil retro-reflective cast PVC film

UV resistant over lam when applicable

## STANDARDS AND SPECIFICATIONS

**ASTM D 3652** : Physical Construction

**ASTM D 3330** : Adhesion

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**ASTM G85** : Annex 5, Salt Spray - Prohesion

**ASTM 81531** : Print Adherence

**ASTM D4956** : Standard Specification for Retroreflective Sheeting for Traffic Control

## PRODUCT OFFERING

### Packs of 50 (10 labels/sheet, 5 sheets/pack)

| TE Ordering Description | SAP Part Number | Dimensions                     | Label Description               |
|-------------------------|-----------------|--------------------------------|---------------------------------|
| SOL-SEC-305254-4-0.1    | CN6557-000      | 1 x 12"<br>(25.4 x 304.8")     | CAUTION SOLAR ELECTRICAL SYSTEM |
| SOL-CSC-159254-4-0.1    | CN4615-000      | 1 x 6.25"<br>(25.4 x 158.75mm) | CAUTION SOLAR CIRCUIT           |

## FOR MORE INFORMATION

[te.com/products/solarlabels](http://te.com/products/solarlabels)

### TE Technical Support Center

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| France:           | +33 (0) 1-3420-8686   |
| Netherlands:      | +31 (0) 73-6246-999   |
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Part numbers in this brochure are RoHS Compliant\*, unless marked otherwise.

\*as defined [www.te.com/leadfree](http://www.te.com/leadfree)

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