



## 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 PGJI2 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

**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

**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" (25.4 x 304.8")	CAUTION SOLAR ELECTRICAL SYSTEM
SOL-CSC-159254-4-0.1	CN4615-000	1 x 6.25" (25.4 x 158.75mm)	CAUTION SOLAR CIRCUIT

## FOR MORE INFORMATION

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

### TE Technical Support Center

USA:	+1 (800) 522-6752
Canada:	+1 (905) 475-6222
Mexico	+52 (0) 55-1106-0800
Latin/S. America:	+54 (0) 11-4733-2200
Germany:	+49 (0) 6251-133-1999
UK:	+44 (0) 800-267666
France:	+33 (0) 1-3420-8686
Netherlands:	+31 (0) 73-6246-999
China:	+86 (0) 400-820-6015

Part numbers in this brochure are RoHS Compliant\*, unless marked otherwise.

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

### te.com

© 2011 Tyco Electronics Corporation, a TE Connectivity Ltd. company. All Rights Reserved.

1-1773449-6 CIS 3M FP 03/2011

TE Connectivity, TE connectivity (logo) and TE (logo) are trademarks.

Other logos, product and/or company names might be trademarks of their respective owners.

---

While TE has made every reasonable effort to ensure the accuracy of the information in this brochure, TE does not guarantee that it is error-free, nor does TE make any other representation, warranty or guarantee that the information is accurate, correct, reliable or current. TE reserves the right to make any adjustments to the information contained herein at any time without notice. TE expressly disclaims all implied warranties regarding the information contained herein, including, but not limited to, any implied warranties of merchantability or fitness for a particular purpose. The dimensions in this catalog are for reference purposes only and are subject to change without notice. Specifications are subject to change without notice. Consult TE for the latest dimensions and design specifications.



# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[TE Connectivity:](#)

[SOL-DCD-104100-4-0.1](#)