



THE FIRST THING WE DELIVER IS CONFIDENCE

Proper labeling has an impact on the reliable and safe operation of solar energy plants. When you invest in the world-class quality and expertise of Marking Services, Inc. (MSI) solar labeling, you gain significant returns on protecting the productivity of your plant for years to come. MSI is dedicated to providing an unmatched level of service and highly engineered products that advance the industry's standards. Our customers depend on our experienced team of specialists to accurately identify, engineer and manufacture a complete collection of exceedingly legible and extremely durable labels and signs for the most complex solar energy systems. So you can focus on what's important - running your operation.



Marking Services Incorporated

YOUR SINGLE SOURCE FOR PHOTOVOLTAIC SOLAR LABELING

CONSULTATION → BOM →
MANUFACTURING → INFORMATION

MSI has invested in state-of-the-art facilities to provide labeling services wherever our customers do business. Our service and sales staff supports solar labeling and asset identification needs with a commitment to create safer, more efficient plants. We'll help you choose the right materials and services for all your solar identification needs.

⚠ WARNING

ELECTRICAL SHOCK HAZARD

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

⚠ WARNING DUAL POWER SOURCE
SECOND SOURCE IS PHOTOVOLTAIC SYSTEM

⚠ CAUTION
PHOTOVOLTAIC SYSTEM CIRCUIT IS BACKFED

12/1C (+)

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SOLAR LABELING

FROM MARKING SERVICES INC.



⚠ WARNING

Arc Flash & Shock Hazard
Appropriate PPE Required

FLASH PROTECTION Flash Hazard Category: 0 Min. Arc Rating (cal/cm2): 0.96 Flash Protection Boundary: 11" PPE: [x] Cotton underwear [] FR shirt and pants (or FR coverall) [] Full flash suit and hood [] Hard hat [x] Safety glasses or goggles [x] Hearing protection [] Leather gloves and shoes [x] Non melting shirt and pants	SHOCK PROTECTION 480 VAC Shock Hazard When: COVER IS OPENED OR REMOVED Limited Approach Boundary: 42" Restricted Approach Boundary: 12" Prohibited Approach Boundary: 1" PPE: [x] Class 00 [x] V-Rating 500 []
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Equipment ID: DISCONNECT MUNTERS M17 PARTICLE COUNTER

CAUTION

THIS SERVICE SUPPLIED BY
ALTERNATIVE POWER SOURCES WITH
DISCONNECTS LOCATED AS SHOWN:

(10) INVERTERS
AC LOAD CENTER
SQUARE D DISCONNECT
SOLAR ARRAY ON ROOFTOP
TRANSFORMER MOUNTED ON PAD
SQUARE D DISCONNECT

**PHOTOVOLTAIC SYSTEM
EQUIPPED WITH
RAPID SHUTDOWN**



TODAY'S MOST ADVANCED PRODUCTS ENGINEERED FOR VISIBILITY & DURABILITY

MS-215 Max-Tek™ Outdoor Durable Solar Labels

Marking Services (MSI) offers MS-215 Max-Tek™ solar labels, the highest quality solar labels available for identifying photovoltaic (PV) solar equipment and components. Solar identification exposed to sun, wind and dust will fail if materials are not suitable for the environment where they are installed.

Our MS-215 Max-Tek™ labels offer the ultimate visibility and outdoor durability. MS-215 labels shield printed legends between two layers of high-performance, UV resistant plastic. The sealed tag provides protection against moisture, sunlight and the effects of harsh environments. With complete printing flexibility, size, color, reflectivity and design is unlimited. Your company logo, QR and linear barcodes and safety alerting symbols enhance your project deliverables.

Code Compliant Solar Labels

MSI manufactures solar labels to meet the following codes and regulations:

- NEC 2014
 - Article 110 "Requirements for Electrical Installations"
 - Article 690 "Labeling Requirements for Photovoltaic (PV) Solar Systems"
 - Article 705 "Labeling for Interconnected Electric Power Production Sources"
- NFPA 70E "Standard for Electrical Safety in the Workplace"
- OSHA 1910.269 "Electric Power Generation, Transmission, and Distribution"
- ANSI Z535 "Safety Alerting Standards"

PHOTOVOLTAIC INVERTER A

RATED MAX POWER-POINT CURRENT	2932 ADC
RATED MAX POWER-POINT VOLTAGE	700.0 VDC
MAXIMUM SYSTEM VOLTAGE	987.6 VDC
MAXIMUM CIRCUIT CURRENT	3950 ADC

MAIN PHOTOVOLTAIC SYSTEM DISCONNECT

Engraved Plastic Outdoor Durable Solar Labels

MSI offers outdoor durable engraved solar labels, AKA "placard", designed to withstand the harshest environments. Engraved plastic labels are easy to read providing excellent visibility for important operational information. Text is highly visible providing a distinct contrast between letter color and background color.

PHOTOVOLTAIC
SYSTEM KWH
METER

WARNING!

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

MS-900 TO Self-Adhesive Labels with MS-1000 UV Top Laminate

MS-900 TO labels with MS-1000 UV top laminate are an effective choice for solar labeling providing protection from UV. They are manufactured from premium grade thermoplastic with a permanent pressure sensitive adhesive. The film and graphics are laminated with MS-1000 providing not only additional chemical resistance but also excellent UV and fade resistance for extended outdoor durability.



PV Solar Content Expertise

Let our PV solar content experts guide you through the selection of materials required to meet your project specification.

- Fast turnaround times (most orders ship within 24-48 hours)
- Custom labels with no art fees
- Quick-order templates
- Order can be packed by area, array, equipment, row, etc.
- No distributor mark-ups, work directly with a MSI consultant
- Additional materials available to meet all project requirements



Demanding Environments Require Serious Products and Service

Marking Services improves and standardizes solar identification to promote safer work environments and minimize downtime due to errors or accidents. We provide a full complement of identification products designed to fulfill all needs for identification in any environment.

Through our commitment to providing value-added services, high-quality products and on-time delivery, MSI offers you a one-stop, comprehensive source for all your identification needs.

