

Identification Systems



Sport 1000 Hand-held Printer

HellermannTyton

High-Quality Labels

- Prints on 1/2", 1" and 2" vinyl widths
- 203 dpi print resolution

Precision Cutter

- Manual cutter lever for clean, crisp label edges

Large LCD Screen

- 2.62" x 1.31" (256 x 128 pixels)
- LCD screen displays five lines of text in high resolution

Rugged Design

- Industrial-strength nylon strap with metal loop
- Exterior casing stands up to industrial use

Intuitive Capabilities

- Soft key menu for easy navigation
- ABC key layout

Rechargeable Battery

- Print for 120 minutes on a single charge
- Low self-discharge rate for long-term use

Lightweight Design

- Fits in the palm of your hand
- Weight: 2.7 lbs. (1.22 kg)



HellermannTyton introduces the newest innovation in portable labeling – The Sport hand-held thermal transfer printer allows for on-the-job label creation to ensure that applied labels meet all the current National Electrical Codes (NEC) and International Fire Codes (IFC). In addition, the portability of the Sport makes it ideal for getting off the job faster, and passing inspection the first time. The Sport can print labels on demand, even while the inspector is still present, allowing the installer to print any missing labels or correct any labels that the inspector rejects. This saves time and money by not having to re-schedule the inspection while waiting for replacement labels to be ordered, delivered and installed.

The Sport comes pre-loaded with all the label designs mandated by the NEC and IFC. The existing templates stored in the Sport can be modified to meet specific local code requirements which may be required by the Authority Having Jurisdiction (AHJ).

Standard and reflective label materials (and the printing ribbons) are available with the Sport printer in white and red. HellermannTyton's vinyl labels are manufactured based on the parameters outlined in Section 690 of the NEC using ultraviolet (UV) resistant permanent acrylic adhesive and a base material intended to endure harsh environmental elements. These pre-saved label designs, when pre-printed on the vinyl label stock, meet the governing requirements for durability, color, text height and visibility and can be applied to most surfaces.

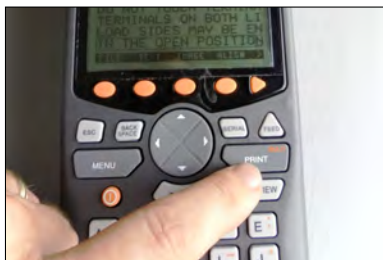
Features

- 2.62" x 1.31" viewable LCD screen shows five lines and offers high resolution (256 x 128 pixels)
- Text/image auto-size eliminates time-consuming "guess-and-check" label design process
- Intuitive soft key menu system for easy navigation and label design
- Lightweight design with convenient hand strap for optimal portability
- 250 pre-installed safety symbols updated to the most-current ANSI standards
- Print 100' of labels before recharging battery
- Truly rugged printer body and internal components meet industrial expectations
- Manual precision cutter provides clean, sharp label edges
- 203 dpi print resolution gives clarity and visibility to label messages and images
- Indoor/Outdoor Premium Vinyl Tape sizes ½", 1" and 2" in width
- Industrial-grade ribbon and tape is resistant to chemicals, moisture, abrasion and fading
- Save up to 32 label designs for future print jobs
- Prints Bar Codes
- Print Preview to actual size

Designing a label is as easy as typing out the text and then selecting a font size.



Step 1) Turn on unit, press the FILE button and select one of the many pre-saved templates.



Step 2) Press the print button to start the printing process.



Step 3) Remove and apply your printed label.

Save Time. Minimize Expenses. Eliminate Hassles.

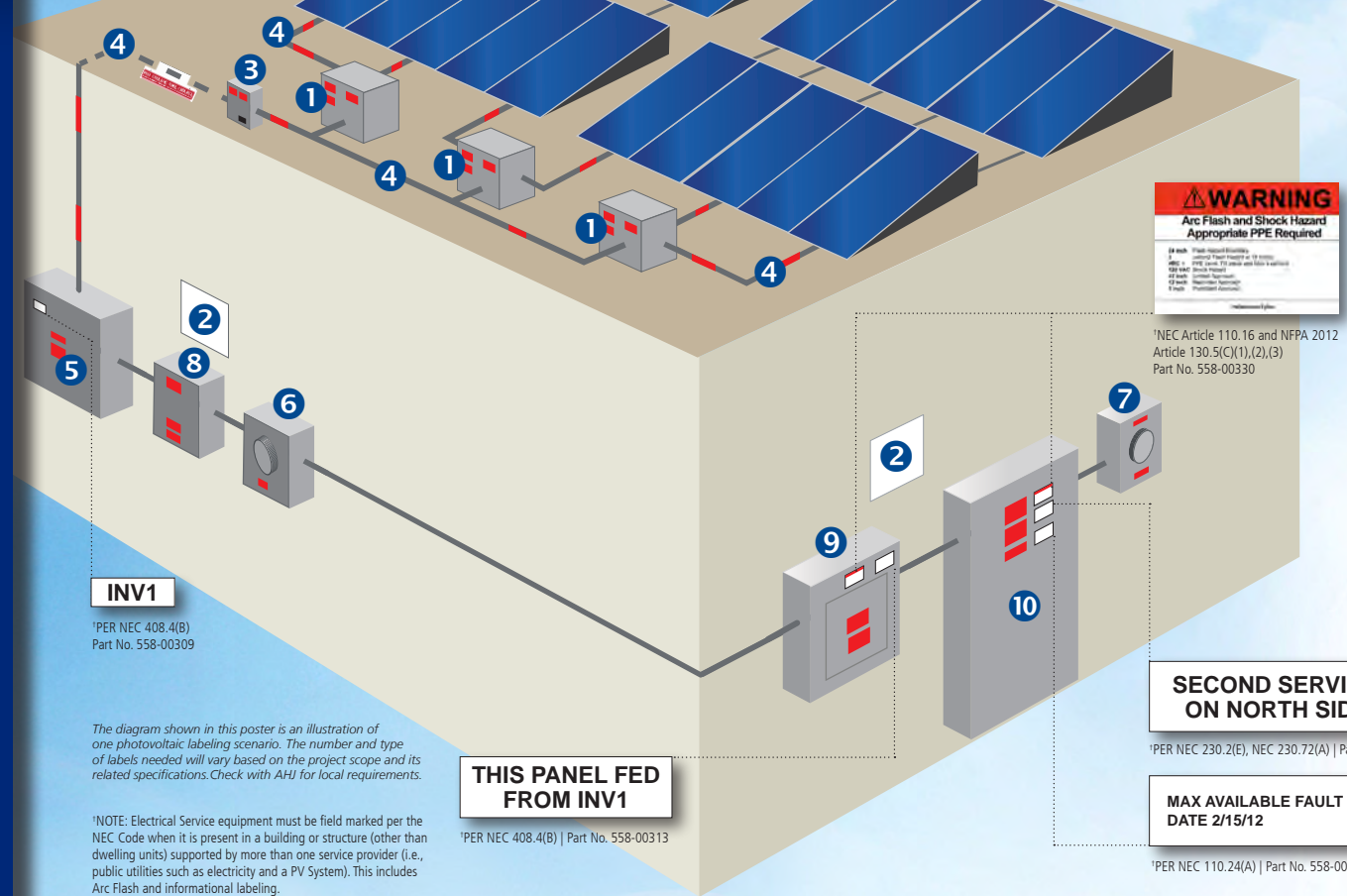
No more inspection delays. No more waiting on labels ordered.
No more errors and the frustration of waiting on corrections.
No more missing labels and editing aggravation.

The Sport portable printer is perfect for creating standardized markers for solar and wind installations, as well as for producing Arc Flash Labels.

With the Sport hand held thermal transfer printer, you can print labels at a job site and avoid costly interruptions while having the flexibility to address unexpected requirements with immediate solutions. The Sport mobile printer produces ARC Flash labels, wire labels and vinyl signs that can be up to 2" wide, accommodating standard stock labels of 1/2", 1" and 2". This convenient printer also has a long-life battery that allows for hours of printing between charges.

And . . . the Sport comes loaded with the most common Solar Installation Label templates. Turn the printer on, find the label needed on the supplied label chart, open the pre-saved design, then print the label. The diagram displays exactly how the label will look before it prints. Not to mention, no time is invested in reading a manual for the purpose of setting up label designs – another time-saving benefit this handy device offers to those installers looking for the simple and straightforward approach to labeling a photovoltaic system.

Note: Red and white vinyl tapes are available for meeting solar installation labeling requirements. The Sport printer includes black and white ribbons. Representations of the label options to the right are pre-saved on the Sport.



INV1
*PER NEC 408.4(B)
Part No. 558-00309

The diagram shown in this poster is an illustration of one photovoltaic labeling scenario. The number and type of labels needed will vary based on the project scope and its related specifications. Check with AHJ for local requirements.

*NOTE: Electrical Service equipment must be field marked per the NEC Code when it is present in a building or structure (other than dwelling units) supported by more than one service provider (i.e., public utilities such as electricity and a PV System). This includes Arc Flash and informational labeling.

THIS PANEL FED FROM INV1
*PER NEC 408.4(B) | Part No. 558-00313

WARNING
Arc Flash and Shock Hazard
Appropriate PPE Required

NEC Article 110.16 and NFPA 70E 130.5(C)(1),(2),(3)
Part No. 558-00330

SECOND SERVICE DISCONNECT ON NORTH SIDE OF BUILDING
*PER NEC 230.2(E), NEC 230.72(A) | Part No. 558-00313

**MAX AVAILABLE FAULT CURRENT: 46,552 AMPS
DATE 2/15/12**
*PER NEC 110.24(A) | Part No. 558-00313

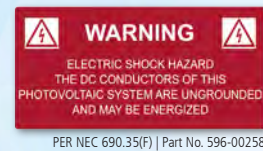
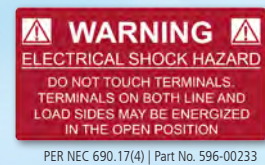
PHOTOVOLTAIC SYSTEM LABELING REQUIREMENTS

NEC 2011 Article 690 and IFC 2012

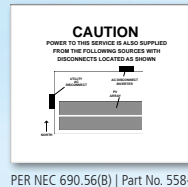
Adhesive Fastened Signs

- "Adhesive fastened signs may be acceptable if properly adhered. Vinyl signs shall be weather resistant." IFC 605.11.1.3
- "The markings shall be of sufficient durability to withstand the environment involved." NEC 110.21
- *"The materials used for marking shall be reflective, weather resistant and suitable for the environment." IFC 605.11.1.1

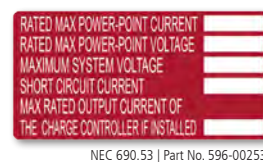
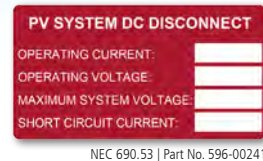
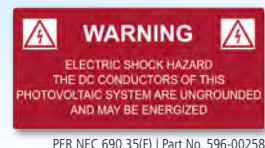
1 Combiner Box / Circuits / Enclosures



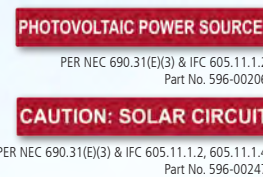
2 Building / Structure



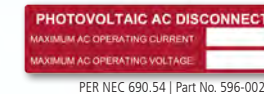
3 DC Disconnect / Breaker / Recombiner Box



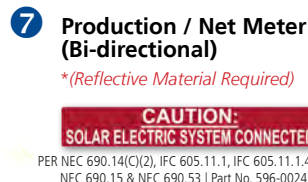
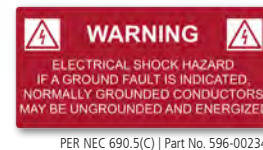
4 EMT / Conduit Raceways *(Reflective Material Required)



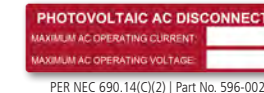
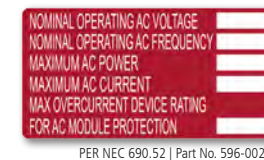
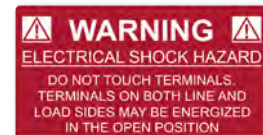
5 Inverter



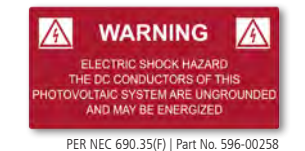
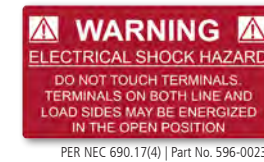
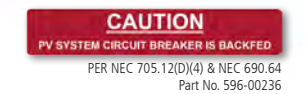
6 Production / Net Meter



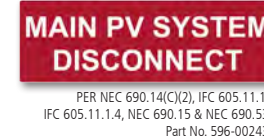
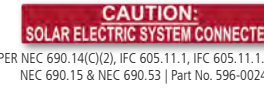
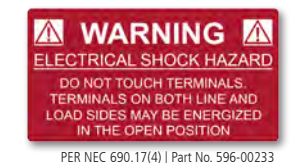
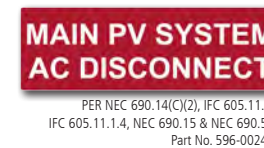
8 AC Disconnect / Breaker / Points of Connection



9 Breaker Panel / Pull Boxes



10 Main Service Disconnect *(Reflective Material Required)



Solar PV Systems Labels

HellermannTyton offers all the labels required to pass an on-site inspection for a photovoltaic panel installation. The continuous vinyl rolls are available both in red and white. Reflective labels, also available in red and white, meet the latest IFC 2012 and NEC 2011 codes for marking a PV installation. Additionally, the white label stock is an option for PV and other types of installations per ANSI Z535.4 Article 7.3 in which black lettering can be used on a white background. Solid colors of red and white are supported by ANSI Z535.4 – Article 7.6.2; a benefit in that a minimum of label widths and colors as well as only two ribbon ink cartridges of black and white need be on hand to meet labeling code requirements. All materials are made of UV resistant adhesives and vinyl for long-lasting outdoor durability.



Product Selection				
Article No.	Part No.	Type	Pkg. Qty	Description
Reflective Solar Labels				
557-00112	557-00112	OSPLP	1	Sport Printer, White Ribbon, 2" Red Vinyl Roll, Charger, Battery, Instructions
557-00113	557-00113	OSPLPKIT	1	Sport Printer Kit, White Ribbon, 1" & 2" Red Vinyl Roll, 1" Reflective Roll, Charger, Battery, Instructions
591-00231	591-00231	SpindleKit	1	Replacement Spindle Slide and Spindle Cover
591-00076	591-00076	BC 10	1	Replacement Battery Charger 120V 60Hz
557-00003	557-00003	RBP1	1	Replacement Battery
557-00002	557-00002	2100CASE	1	Optional Hard Shell Carrying Case
591-00263	591-00263	HT2-Softcase	1	Optional Soft Shell Carrying Case
591-00232	591-00232	HHIGRBG	1	Black Ribbon
591-00233	591-00233	HHIGRWG	1	White Ribbon
591-00243	591-00243	HT1RD30	1	1" Red Vinyl 30 Feet Per Roll
591-00264	591-00264	HT1RDRF20	1	1" Red Reflective Vinyl 20 Feet Per Roll
591-00244	591-00244	HT1WH30	1	1" White Vinyl 30 Feet Per Roll
591-00251	591-00251	HT.5RD30	1	1/2" Red Vinyl 30 Feet Per Roll
591-00252	591-00252	HT.5WH30	1	1/2" White Vinyl 30 Feet Per Roll
591-00259	591-00259	HT2RD30	1	2" Red Vinyl 30 Feet Per Roll
591-00265	591-00265	HT2RDRF20	1	2" Red Reflective Vinyl 20 Feet Per Roll
591-00261	591-00261	HT2WH20	1	2" White Vinyl 30 Feet Per Roll
591-00260	591-00260	HT2WHRF20	1	2" White Reflective Vinyl 20 Feet Per Roll
591-00278	591-00278	HT2AF30	1	2" White/Orange Vinyl 30 Feet Per Roll For Arc Flash Labeling

HellermannTyton

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Warranty Policy

HellermannTyton products are warranted to be free from defects in material and workmanship at the time sold by us; but our obligation under this warranty and that of the seller is limited to the replacement of the product, and neither we nor the seller are bound by any other warranty, expressed, implied or statutory. Under no circumstances are we or the seller liable for any loss, damage, expenses or consequential damages of any kind arising out of the use or inability to use these products. All are sold with the understanding that the user will test them in actual use and determine their adaptability for the intended uses.