PV Cable Assembly Tools

We have tools from Multi-Contact and Tyco for crimping the pins on their connectors. There is a tool for each type of connector. We also have a high quality tool from Rennsteig that has a set of dies and positioners for MC Solarline 1 and 2; and for Tyco connectors, 10, 12 and 14 AWG wire.

MC Solarline 1 also requires a second tool to put the rubber boot on the pin after it has been crimped to the wire.

MC Solarline 1 Assembly Tools

Crimper and boot assembly tool for Solarline 1 connectors. These tools are supplied by Multi-Contact.

Description	Item code	Price
MC Solarline 1 crimper PV-CZL	094-00116	$952
MC Solarline 1 boot assembly tool, bench mount	094-00108	$570

MC Solarline 2 Crimping Tool

Crimping tool to assemble MC Solarline 2 locking connectors. Crimping tool is for 10 or 12 AWG stranded wire.

Description	Item code	Price
MC Solarline 2 pin crimper for 10/12 AWG wire	094-00104	$712

Tyco SolarLok Crimping Tool

Crimping tool to assemble SolarLok locking connectors. Crimping tool is for 10 or 12 AWG stranded wire.

Description	Item code	Price
Tyco crimper for 10/12 AWG wire	094-00114	$410

MC4 Solarline 2 Open-End Spanner Set

This set of 2 plastic wrenches is used to tighten the sealing nut in the connectors and to unlock the male and female connector. Sold in pack of 2 wrenches.

Description	Item code	Price
MC Solarline 2 open-end spanner set	094-00112	$2

Rennsteig
Crimping Tool for Tyco and MC

This crimping tool comes with 3 die-sets and 3 pin positioners for crimping MC Solarline 1 and Solarline 2 pins and Tyco Solarlok pins on 14, 12 and 10 AWG stranded wire. Comes with a molded plastic carrying case.

Description	Item code	Price
Rennsteig crimper set for 14, 12 and 10 AWG	094-00125	$1,105
Rennsteig stripper for 14, 12 and 10 AWG	094-00128	call
Rennsteig cutter for 14, 12 and 10 AWG	094-00129	call

Cable Crimper

Use crimper to crimp battery terminals, copper lugs and splices on wire from 8 gauge to 4/0. Adjustable crimp dies are clearly marked and easy to rotate into position. This 26-inch tool gives you plenty of leverage for quality crimping. Made in USA. UL Listed.

Cable Cutter

Cut cable up to 6/0 AWG with this 22-inch long handheld or bench-mount cutter with removable carbon steel blades. Use this tool for cutting large cable to make inverter cables and battery interconnects. Made in U.S.A.

Description	Item code	Price
Cable cutter 22-inch bench mount	094-00003	$90
Cable cutter with 22-inch handles	094-00004	$90
Cable crimper with 26-inch handles	094-00011	$220

Hammer Crimp Tool

This simple, inexpensive crimping tool can be used to crimp connectors on 8 through 4/0 AWG wire. Spring-loaded pin locks in "up" position for loading connector and cable. When released, the pin holds the connector securely during crimping. Use with a hammer or vice.

Description	Item code	Price
Hammer crimp tool	094-00013	$36

Suggested retail prices are subject to change; check with us for latest pricing.

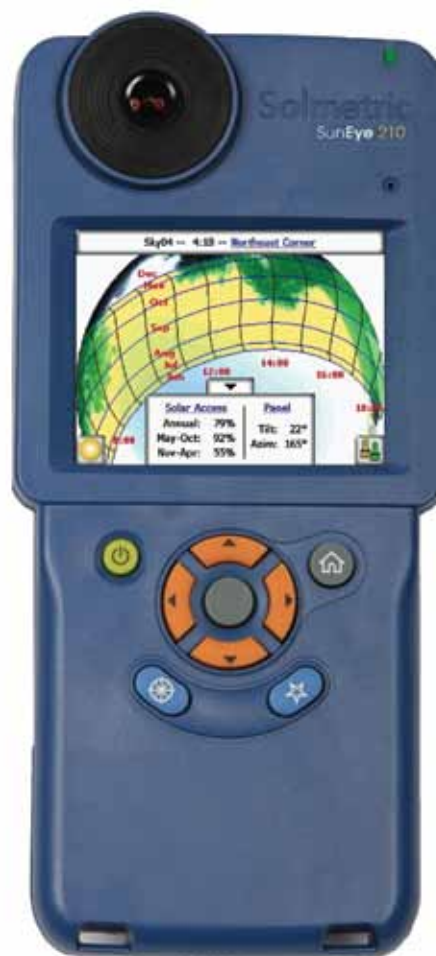# Solmetric

NEW! SunEye 210 Site Analysis Tool

The Solmetric SunEye 210 is a hand held electronic device that allows users to assess total potential solar energy given the shading of a particular site. Identifying the shading pattern early in the process reduces the expense of system and home design and improves the efficiency of the final system or house.

The Solmetric SunEye 210 is an important tool for the professional solar installer, saving time and money and helping to design high performance systems. It's equally useful for PV, passive hot water, roof mount or ground mount systems. Optimize new systems for maximum production. Analyze existing installations to solve problems of under production. Identify specific shade-causing obstructions such as trees or structures and know instantly how much additional energy would be produced if the obstruction were removed.

The SunEye 210 comes with a fish-eye lens digital camera and sophisticated measurement software that simulates removal or addition of shading objects or structures, and measures roof tilt and azimuth. It works in the northern and southern hemispheres and provides easy measurements and instant feedback allowing you to make quick estimates and accurate system designs and stores data for later review. The SunEye interfaces to the USB port of your PC, and data is transferred from the device to the SunEye Desktop software. A Solar Access and Shading Report summarizes the data from each session. The SunEye also outputs various data files for use in simulation and design programs.

The GPS version permits automatic readings of latitude and longitude for sun path calculations and displays. Each Skyline reading can be automatically tagged with the latitude and longitude coordinates. Recommended for large sites where many skylines will be recorded, or when exact latitude/longitude coordinates are desired. Accuracy is +/-3 meters. When data is taken using the GPS option, all Skylines are geo-tagged, and the locations and data can be output to Google Earth.

It works on PCs with Windows Vista (all editions), Windows XP SP2 (Professional, Home, or Media Center), or Windows 2000 SP4. Currently, the SunEye software does not run natively on Mac OS. It is possible, however, to run the SunEye software on a Mac using a Windows emulator, such as Parallels Desktop for Mac.

Description	Item code	Price
Solmetric SunEye 210 Tool w/ worldwide operation	094-00200	$1,995
Solmetric SunEye 210 Tool w/ worldwide operation and GPS	094-00201	$2,195

Daystar

NEW! Digital Solar Meter

Daystar's DS-05A solar meter brings "point and read" simplicity to the measurement of solar irradiance. Just turn the meter on, point the sensor at the sun, and obtain a reading in watts/square meter.

Each meter is hand calibrated so you can rely on the accuracy.

Description	Item code	Price
DayStar Digital solar meter	094-00271	$155