SOLARWORLD

We turn sunlight into power.

SOLAR ENERGY SYSTEMS

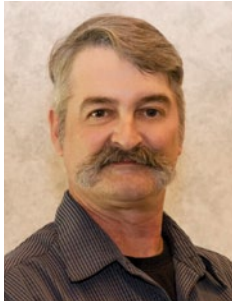
Photovoltaic Technology

- Modules • Inverters
- Components • Packages
- Mounting Systems
- Integration Expertise

WERNER ELECTRIC SUPPLY

CLEAN ENERGY EXPERTS

WERNER ELECTRIC SUPPLY



RICHARD E. HENES
Solar Sales Specialist
Member: MREA, ASES

Direct: 920-337-4041
Cell: 920-428-1857
Email: rhenes@wernerelectric.com

3055 Holmgren Way
Green Bay, WI 54304
Phone: 800-236-5026
Fax: 920-337-6710
www.wernerelectric.com

MATT GIOVANELLI
Wind and Solar Sales Specialist
Member: MREA, ASES, AEE

Direct: 262-436-6004
Cell: 262-354-5027
Email: mgiovanelli@wernerelectric.com

W238 N1777 Rockwood Drive
Pewaukee, WI 53188
Phone: 800-236-5026
Fax: 920-969-9694
www.wernerelectric.com

Werner Electric Supply is proud to announce our partnership with SolarWorld, America's largest solar panel manufacturer. Werner also works with a variety of manufacturers to provide a complete set of solar solutions, such as modules, inverters, racking and system components. We can also provide complete kits designed to make procurement and installation as easy as possible.

Werner Electric has also entered a partnership with Renewegy, a leading wind turbine manufacturer located in Oshkosh, WI. We can now offer our customers one of the cleanest forms of power available. Our partnership with Renewegy provides our customers a complete turn-key solution to installing a wind turbine. From permitting to pouring concrete, we can guide you through the entire process.

To support our customers and their renewable energy projects, we have full-time industry veterans ready and willing to help you with analysis, design, and product selection.

Richard Henes has over 20 years of experience in the industry, holding a Renewable Energies Solar Certificate from NWTC in Green Bay and an Advanced Solar Installation Certificate from MREA. He is a member of MREA (Midwest Renewable Energy Association) and ASES (American Solar Energy Association). Richard is currently working toward his NABCEP design certification.

Matt Giovanelli has 23 years of experience in environmental and renewable industries. He is a certified solar site assessor and a certified small wind (<100 kW) assessor. He also has his NABCEP Certificate of Knowledge, and is a member of ASES, AEE (Association of Energy Engineers), and MREA.

SMART ENERGY PRODUCTS

- Wind Energy
- Solar Energy
- Electric Motors
- Lighting: Lamps, Fixtures, Ballasts, Controls
- LED Technology
- Charging Stations
- Variable Frequency Drives
- RF Thermostats
- Pneumatics
- Infrared Heating
- Emerging Technologies
- Lamp Recycling

CLEAN ENERGY EXPERTS

Sunmodule®

SolarWorld's unique plus-sorting method ensures that our customers receive the watts they pay for. Every module is factory flash tested (at standard test conditions) to determine the peak rated power output, then sorted in 5-watt bin increments. SolarWorld's power rating accounts for initial light-induced degradation (LID) so there are no surprises after installation.

With plus-sorting, SolarWorld delivers only modules that have greater than or equal to the nameplate-rated power. These power ratings are backed up with the factory flash report.

By delivering actual power, plus-shorting ensures that systems operate at top efficiency which results in maximum energy yield year after year. Plus-sorting eliminates nameplate uncertainty and our 5 W bin size makes mismatch losses negligible. Therefore associated de-rate factors in system modeling programs, such as PVWatts, PVsyst, and OnGrid can be minimized, predicting up to 5% greater annual yield.

SW 245 poly/ Version 2.0 and 2.5 Frame

Performance Under Standard Test Conditions (STC)*		
		SW 245
Maximum Power	P_{max}	245 Wp
Open Circuit Voltage	V_{oc}	37.5 V
Maximum Power Point Voltage	V_{mpp}	30.8 V
Short Circuit Current	I_{sc}	8.49 A
Maximum Power Point Current	I_{mpp}	7.96 A

* STC : 1000W/m², 25°C, AM 1.5

SW 255 mono/ Version 2.0

Performance Under Standard Test Conditions (STC)*		
		SW 255
Maximum Power	P_{max}	255 Wp
Open Circuit Voltage	V_{oc}	37.8 V
Maximum Power Point Voltage	V_{mpp}	31.4 V
Short Circuit Current	I_{sc}	8.66 A
Maximum Power Point Current	I_{mpp}	8.15 A

* STC : 1000W/m², 25°C, AM 1.5

Suntrol® KEEPING PERFORMANCE DATA IN VIEW

The Suntrol data logger enables comprehensive monitoring of the SolarWorld solar power system. It comes in three variants, which are used depending on the size and scope of the solar power system. The data logger is connected to the inverter of the solar power system via an RS485 interface or, optionally, via Bluetooth. You can monitor the performance of the solar power system, the inverters, the yield forecast and degradation calculations online and at any time via mobile phone or PC.

The Suntrol display receives the real-time output information from the solar power system and provides an ideal way to show the public what your system is doing. Indoors or outdoors, the display shows the current output, the total energy yield and the amount of carbon dioxide saved by the solar power system.

Sunkits® MORE OF WHAT YOU WANT FROM THE SUN

High-performance system

We start with our industry-leading Sunmodule® solar panels and combine them with top of the line inverters and racking, specially selected for the highest system-level performance.

Custom-designed for your home

Each Sunkits® system is custom-designed at the factory for your home and your family's energy use.

SOLARWORLD

We turn sunlight into power.

SOLAR PRODUCTS AND SERVICES

Panels
SolarWorld
CentroSolar

Racking
Unirac
Schletter
Wattsun
DPW
TerraSmart
Zomeworks
S-5
Quick Mount PV

Inverters
Enphase
SMA
Fronius
Power-one
PV Powered
Ingeteam
Solectria
Eaton
Magnum Energy

Balance of Systems
Eaton
Molex
Tyco
Cooper Bussmann
Solar Pathfinder
Solmetric
Wiley Electronics
Trojan Batteries

Services
Site Assessments
Design Grid Tie Systems
Design Off-Grid Systems
Calculate Energy Production
Calculate ROI

OUR VISION

Werner Electric Supply is dedicated to continual improvement in the distribution of quality products and services resulting in the long-term trust, profitability, and success of our employees, customers, vendors, and the communities we serve.

WERNER ELECTRIC SUPPLY