

Features

- Intelligent distributed control
- Advanced telemetry for AC and DC performance diagnostics
- Optional redundant design for reliability
- 1 year warranty

Contact Nextronex:

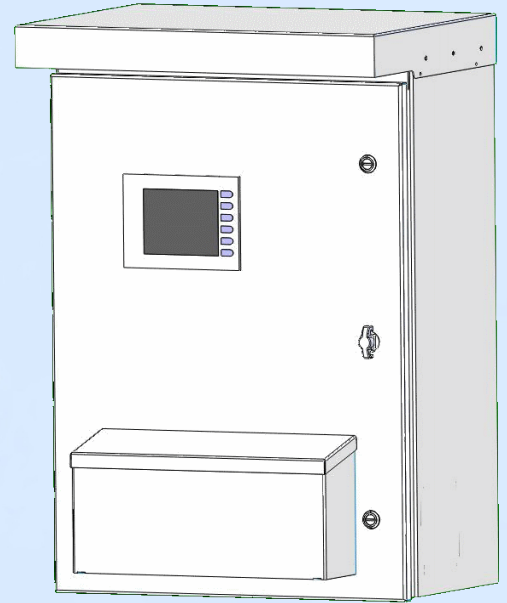
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The Ray-Max Smart Controller serves as the brains of the Nextronex Ray-Max System*. The controller enhances energy output by communicating with the inverters in the system and matching their operational status to the current light level.

The Ray-Max Smart Controller is the also data collection point for all operational parameters. An integral display screen provides the AC power and energy information for the entire array. Optional string-level DC power monitoring, inputs for weather and sunlight sensors, and complete diagnostics can also be displayed.

The Ray-Max Smart Controller is made up of a PLC based controller housed in a weatherproof enclosure. The cabinet includes forced air ventilation and a heater to endure reliable operation from -25°C to + 45°C. The Smart Controller readily interfaces with the outside world via a number of communication options. An Ethernet port is included, along with mod bus capabilities, and network ready standard IP addressing.



Options

- Redundant (shadowed) PLCs
- Redundant power supplies
- Weather data input
- Fiber option connection

Telemetry Options

- DC row current
- Weather data
- Faults, diagnostics, and alerts
- Array economics

**The Nextronex Ray-Max System is a complete kit of components for solar array wiring requirements. The system is modular and is designed for applications from 100kW to 1.5mW (larger arrays are simply multiples of this). Above 100kW, where multiple inverters are used, the Ray-Max system uses a proprietary distributed architecture that is patent protected. This package offers the lowest cost, highest energy harvesting, and best long term reliability available in the industry.*



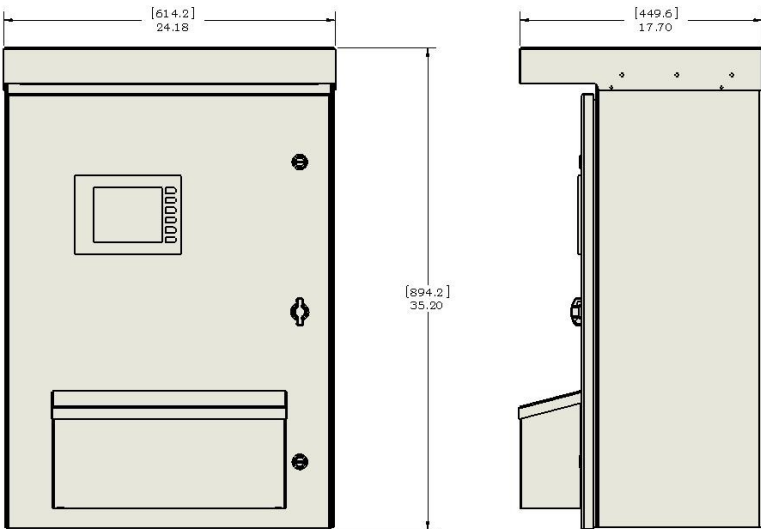
Made in USA

www.nextronex.com

Patent Pending

harvesting the power of light

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SPECIFICATIONS	
Electrical	
Rating	120 - 480 V 50/60 Hz
Power Consumption	
Nominal	1000 W
Maximum	1800 W
ENVIRONMENTAL	
Operating Ambient Temperature Range	-25°C to +45°C
Cooling	Forced Air
Heating	Forced Air / Heating element
ENCLOSURE	
Type	NEMA 4 (outdoor rated)
Material	14 gauge steel
Finish	Gloss white powder coat
Weight	75 lbs

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