

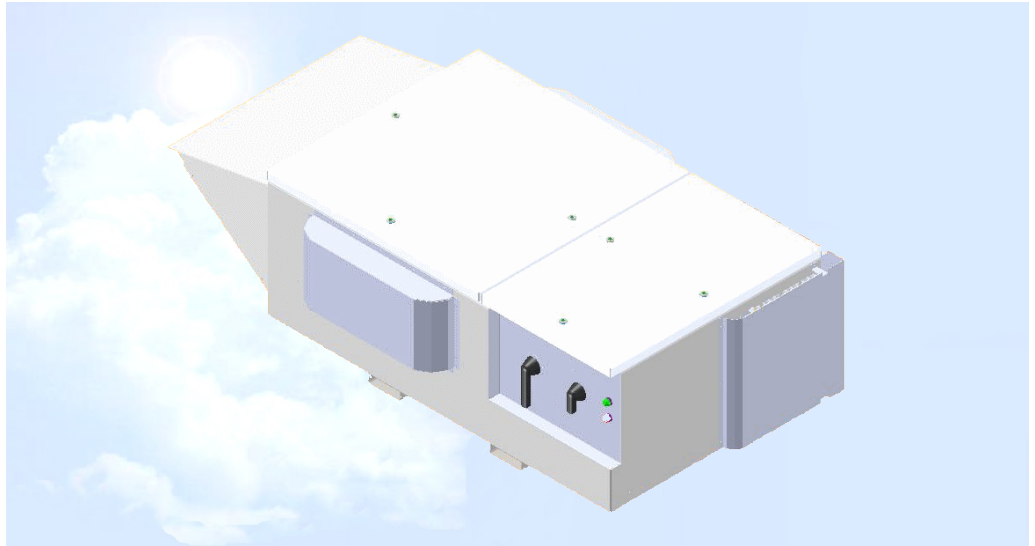
## Features

- ◊ Low profile cabinet
- ◊ Full power up to 40°C
- ◊ Sealed electrical compartments
- ◊ Best in class >98% peak efficiency
- ◊ CEC eligible
- ◊ 1000 V DC system compatible
- ◊ Bottom and side cable entry
- ◊ Compatible with all PV modules
- ◊ Advanced cooling
- ◊ MPPT range of 350 - 850 volts
- ◊ Load break rated AC and DC service disconnects
- ◊ Supreme reliability with 20 year warranty
- ◊ Modular design for ease of maintenance and service

## Contact Nextronex:

**Phone: 419-838-7889**

**Email: [info@nextronex.com](mailto:info@nextronex.com)**



The Ray-Max 150 Inverter is a state-of-the-art 150kW transformerless inverter based on 30 years of experience powering industry around the world. Operating with DC string voltages up to 1000 V DC, the Ray-Max 150 Inverter provides maximum energy production with best in class efficiency. Additional benefits include reduced power loss in wiring and up to 26% savings in installation cost. With the highest MPPT voltage window in the industry, the Ray-Max 150 Inverter provides exceptional versatility.

The Ray-Max 150 Inverter operates at full power up to 40°C using advanced heat transfer techniques (no liquids), making it the perfect solution for placement in an array, on a roof, or in an equipment room. All electronic components are sealed against atmospheric contamination and moisture ingress providing reliable performance in any environmental condition.

The Ray-Max 150 Inverter is certified to UL 1741/ IEEE 1547 for both the US and Canada, and is a CEC eligible component.

The highly reliable design is self-protected against all forms of overheating and overcurrent. If service is necessary during its lifetime, all active components are mounted on a chassis that can be removed and replaced in 30 minutes when required.

When used in a stand-alone application, the Ray-Max 150 Inverter will manage its MPPT to maximize energy harvesting and ensure grid interconnect safety functions. When used in the Nextronex Ray-Max System\*, the inverter accepts commands from the Smart Controller to become active and its status of master or slave. In master mode, the inverter manages the MPPT function for the entire array, communicating to the controller when additional capacity is needed from other inverters in the system to harvest available energy.

*\*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.*

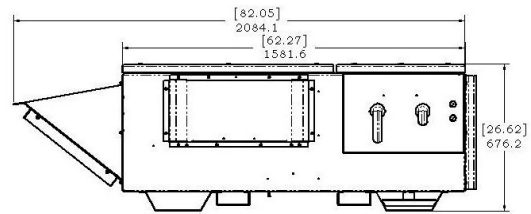
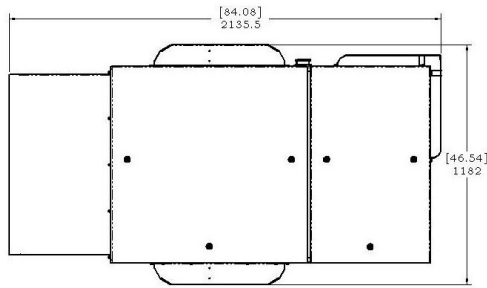


[www.nextronex.com](http://www.nextronex.com)

Patent Pending

harvesting the power of light

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SPECIFICATIONS	
<b>INPUT</b>	
Maximum Array Input Voltage	1000 V DC
Input Voltage Range for MPPT	350 - 850 V DC
<b>OUTPUT</b>	
Output Voltage Range (line to line)	207 - 480 V AC
Nominal Output Voltage	360 V AC, 3 Phase
Output Frequency Range	50 Hz, 60 Hz (+/- 1%)
Maximum Output Current per Phase	240 Amp
Maximum Overcurrent Protection per Phase	350 Amp
Peak Efficiency (transformerless)	98.97%
CEC Weighted Efficiency with transformer	95% / 95.8%
Power Factor at Full Load	0.99
Harmonic Distortion	< 5%
<b>ENVIRONMENTAL</b>	
Operating Ambient Temperature Range	-25°C to +40°C (full power)
Storage Temperature Range	-30°C to +70°C
Cooling	Forced Air
Noise Level	< 65 dBA
<b>ENCLOSURE</b>	
Type	NEMA 3 (outdoor rated)
Material	14 gauge steel
Finish	Gloss white powder coat
Weight	426 KG / 939 LBS



**Intertek**

ETL # 4001002

Standard conforms to:

UL STD 1741 Utility- Interactive

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