

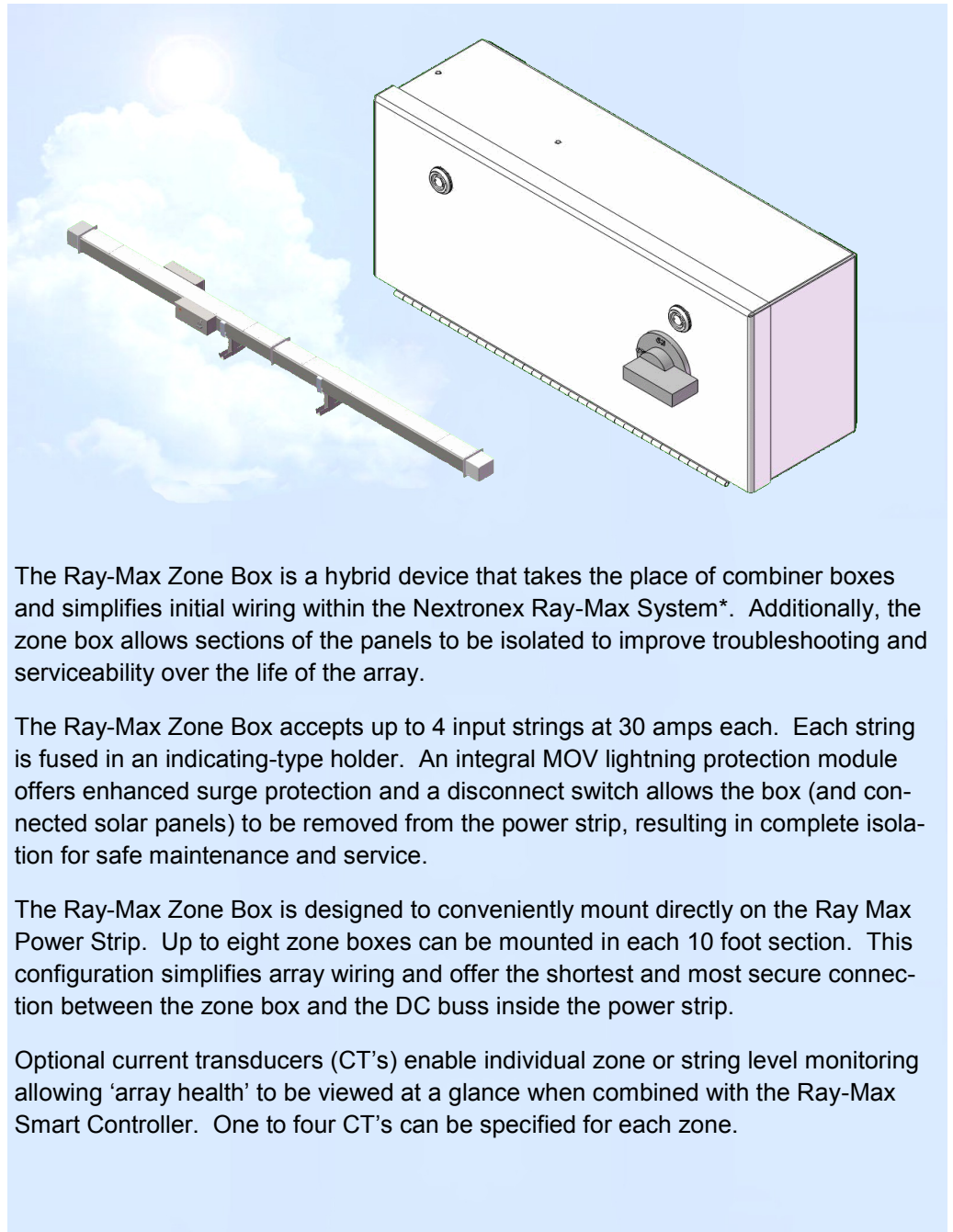
## Features

- Revolutionary improvement in array wiring topography
- Eliminates combiner boxes
- Eliminates series fusing
- Provides complete isolation for maintenance and service of array zones
- Mounts on the Ray-Max Power Strip
- Optional advanced DC diagnostics
- Designed and built to meet UL 1741
- 1 year warranty

## Contact Nextronex:

**Phone: 419-838-7889**

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



The Ray-Max Zone Box is a hybrid device that takes the place of combiner boxes and simplifies initial wiring within the Nextronex Ray-Max System\*. Additionally, the zone box allows sections of the panels to be isolated to improve troubleshooting and serviceability over the life of the array.

The Ray-Max Zone Box accepts up to 4 input strings at 30 amps each. Each string is fused in an indicating-type holder. An integral MOV lightning protection module offers enhanced surge protection and a disconnect switch allows the box (and connected solar panels) to be removed from the power strip, resulting in complete isolation for safe maintenance and service.

The Ray-Max Zone Box is designed to conveniently mount directly on the Ray Max Power Strip. Up to eight zone boxes can be mounted in each 10 foot section. This configuration simplifies array wiring and offer the shortest and most secure connection between the zone box and the DC buss inside the power strip.

Optional current transducers (CT's) enable individual zone or string level monitoring allowing 'array health' to be viewed at a glance when combined with the Ray-Max Smart Controller. One to four CT's can be specified for each zone.

*\*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.*



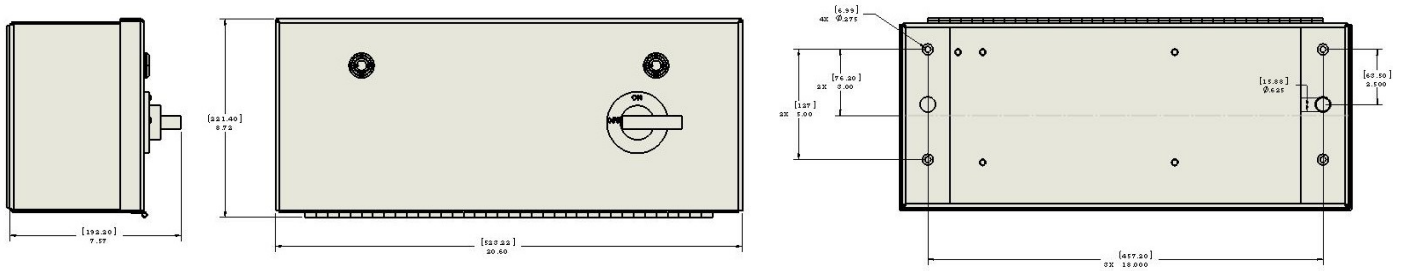
Made in USA

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

Patent Pending

harvesting the power of light

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SPECIFICATIONS	
<b>INPUT</b>	
Rating	DC Input 1000V / 25A Maximum
Connector	Waterproof connectors / #10 AWG
<b>OUTPUT</b>	
Rating	1000 V / 25A
Connector	Waterproof connectors
<b>SWITCHING</b>	
Disconnect	Both legs
DPDT switch for shorting available	
<b>OVERCURRENT PROTECTION</b>	
(2) 30 Amp PV rated fuses	One each DC leg
<b>OVERVOLTAGE PROTECTION</b>	
(3) MOV's	One each leg to ground
(1) MOV	Leg to leg
<b>MONITORING</b>	
Hall effect electronically isolated	
Current transmitter	
<b>ENCLOSURE</b>	
Type	NEMA 4
Material	14 gauge steel
Finish	Gloss white powder coat
Weight	22 LBS

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