# Matrix<sup>™</sup> 2000 Standalone Inverter



#### **Features**

- Designed for telecom applications
- Pure sine wave output
- Unity power factor (full 2000 watt output power)
- Significant overload capability, 120% continuously, 200% for 5 seconds
- High efficiency, >91%
- · High power density
- Built in Static Transfer Switch (STS)
- DSP design for improved reliability and performance
- Single phase 120Vac or 230Vac output options
- Comprehensive LCD/LED with keypad
- USB interface for connecting to PC
- Wide selection of configurable parameters.
- International certifications

The Eaton® Matrix™ 2000
Standalone Inverter is
designed for use in
telecommunications
applications where a very
reliable AC supply is required.
The high efficiency and
compact size makes the Matrix
2000 Inverter an outstanding
solution for powering all types
of critical AC equipment.

The Matrix 2000 Standalone Inverter provides 2000W of reliable AC power in a 1U x 19" rack mount package that includes a built-in Static Transfer Switch (STS). The STS automatically and instantaneously switches the AC output, from the DC inverter to an alternative source such as AC mains (and back again), providing extra security of the AC supply to the load equipment.

The Matrix 2000 solution uses digital microprocessor control to provide maximum performance under all operating conditions. The built-in controller gives real-time system status through comprehensive LCD/LED displays, and allows program setting through a keypad panel.

The Matrix 2000 Standalone Inverter includes a built in USB interface for monitoring and control.



## **Technical Specifications**

DC Input		
Operating	48V: 40Vdc ~ 60Vdc	
Range		

AC Input (to Transfer Switch)

Voltage Range:	INV-4820SA:	89Vac to 138Vac	
(50/60Hz)	INV-4820ESA:	176Vac to 276Vac	
Transfer Time	<10ms		

AC Output

AC Output	
Power Output	2000VA / 2000W
Wave Form	Pure sine wave
Power Factor	1.0
Nominal Output	INV-4820SA: 110/115/120Vac
Voltage	INV-4820ESA: 208/220/230/240Vac
(selectable)	
Output	50,60Hz
Frequency	
Efficiency	>91% at rated load
Over Load	2*Inom, 5sec max
Protection	1.5*Inom, 10sec max
	1.25*Inom, temperature controlled

### Environmental

Requirements	
Operating	-20°C to 60°C (-4°F to 140°F)
Temperature	-20°C to 50 °C (-4°F to 122°F), full performance
Range	
Cooling	Fan Cooled

### Certifications

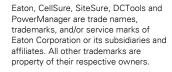
All products comply with international standards.

Safety EN60950-1 / UL60950-1

Europe C

In the interests of continual product improvement all specifications are subject to change without notice.







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