

Matrix™ 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
- 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.

Technical Specifications

DC Input

Operating Range 48V: 40Vdc ~ 60Vdc

AC Input (to Transfer Switch)

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

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

Certifications

All products comply with international standards.

Safety EN60950-1 / UL60950-1

Europe CE

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

