



GLOBAL UPS SYSTEM

3000TR-II

System Components:

- UPS Electronics Module
- Bypass/Battery Module

DESCRIPTION

For conditioned, regulated sinewave power and unmatched power protection, specify the 3000TR-II Global UPS (uninterruptible power supply) System from UPSI. Major components of the 3000TR-II system include an Maintenance Bypass/Battery Module with removable battery pack and a UPS Electronics Module. Engineered for worldwide deployment and operation, this rack-mount global UPS system stands alone in providing clean, reliable, isolated power to sensitive electronic loads.

FEATURES AND BENEFITS

Rugged construction and advanced design makes this global UPS system ideal for any deployable or fixed site application. The Maintenance Bypass/Battery Module is built using UPSI's patented Intelligent Voltage Selection™ (IVS) circuit combined with a matching isolation transformer which configures and conditions a wide range of inputs permitting operations from domestic, international and field generator power sources. Rear-mounted power cables provide input and output power for the system; while a user-selectable bypass switch effectively transfers the entire system to bypass to allow replacement of the UPS Electronics Module without affecting the load. When in "On-Battery" mode, the Maintenance Bypass/Battery Module supplies power through the

HIGHLIGHTS

- > Global Input Power
- > Remove Battery Pack or Replace UPS Electronics Module without Interrupting the Load
- > Auxiliary Outlets for Printers
- > Deployable or Fixed Site Installation
- > Input Isolation Transformer
- > True Sinewave Output
- > Automatic/Manual Bypass
- > Battery Start

DC-DC converter to the inverter to generate power for the connected load. The intelligent design of the 3000TR-II includes single point grounding to eliminate common mode noise and input power factor correction to maximize power capacity. Each system is equipped with an intelligent RS-232 communication interface for remote monitoring and auxiliary receptacles to support laser printers. Illuminated color indicators on the front panel provide a reliable display of both operating and alarm conditions. Adjacent front panel touch controls provide battery start, alarm silence and manual bypass functions, in addition to UPS output power.

SPECIFICATIONS

| 3000TR-II GLOBAL UPS SYSTEM | |
|---|---|
| ELECTRICAL | |
| Input Voltage | 100/120/220/240 VAC (automatically sensed and selected) |
| Input Frequency | 45-55 Hz or 55-65 Hz autosensing; 50/60 Hz \pm 3 Hz during startup |
| Max Input Current @ 120 VAC | 25 amps |
| Input Power Factor | > .95 |
| Output Ratings: UPS | 3000VA/2100W |
| Output Voltage | 120 VAC, \pm 3%; sinewave; max 5% THD full non-linear load |
| Output Frequency | 50/60 Hz \pm 3 Hz |
| Max Output Current | 25 amps |
| Output Overload | 200% for 8 cycles; 130% for 10 seconds then transfer to bypass |
| Transfer Time to Battery | Uninterrupted (none) |
| BATTERY (REMOVABLE) | |
| Reserve Time | 5 minutes at full load |
| Recharge Time | 5 hours to 95% after full load discharge |
| Rating | 96VDC / 5Ahr |
| Type | Valve regulated, non-spillable, lead acid |
| ENVIRONMENTAL | |
| Ambient Temperature | 0° C to 50° C operating -20° C to 60° C non-operating |
| Relative Humidity | 0 to 95% non-condensing |
| Operating Altitude | 0 to 3000 meters |
| Audible Noise | < 52 dBA @ 1 meter |
| MECHANICAL | |
| Dimensions (H x W x D)/ Weight UPS Electronics Module Battery/Bypass Module | 133mm x 432mm x 483mm (5.25" x 17" x 19") / 14.1kg (31 lbs) 133mm x 432mm x 610mm (5.25" x 17" x 19") / 52.3kg (115 lbs. w/ battery) Battery Weight - 17.3kg (38 lbs) |

Specifications subject to change without notice. PS138.12/00

BASIC OPERATION FLOW DIAGRAM



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