



## Rugged/Deployable Uninterruptible Power Supply (UPS)

**UPS 1000TR-II**  
**UPS 1500TR-II**

### DESCRIPTION

Engineered for worldwide deployment and operation, the rugged TR-II true on-line uninterruptible power supply (UPS) provides unmatched power protection in the most adverse power environments. Specify UPSI's TR-II to protect sensitive electronic loads that require clean, reliable isolated power in a rugged/transportable UPS design.

### FEATURES AND BENEFITS

Rugged construction and advanced design makes this second generation Trusted Series UPS ideal for any worldwide transportable application. UPSI's patented, Intelligent Voltage Selection™ (IVS) circuit combined with a matching isolation transformer configures and conditions a wide range of inputs. The TR-II UPS is adaptable to surrounding conditions permitting operations from domestic, international and field generator power sources.

Easy set-up and plug-and-play operation make start-up of the TR-II effortless. A front removable battery pack allows battery replacement while on bypass and reduces transport weight. The intelligent design of the TR-II includes single point grounding to eliminate common mode noise and input power factor correction to maximize power capacity.

### HIGHLIGHTS

- > Global Input Power
- > Removable Battery Pack
- > User Selectable Output Voltage
- > Auxiliary Outlet for Printers
- > Rugged Design/Transportable
- > Input Isolation Transformer
- > Input Power Factor Correction
- > True Sinewave Output
- > Automatic/Manual Bypass
- > User Installed SNMP Card Option
- > Battery Start
- > Single Point Ground

Each unit is equipped with an intelligent RS-232 communication interface for remote monitoring and an auxiliary outlet to support laser printers. Illuminated color indicators 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.

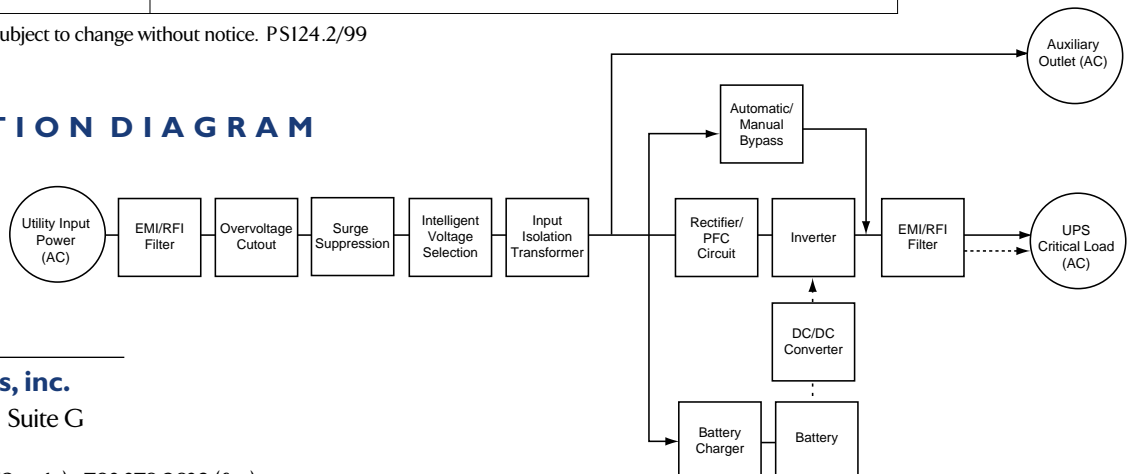
Built to satisfy your current and future requirements for a dependable, deployable, true on-line UPS - Universal Power Systems presents the TR-II - the second generation Trusted Series product.

# SPECIFICATIONS

	1000TR-II	1500TR-II
<b>ELECTRICAL</b>		
Input Voltage	80 - 264 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	7.3 amps (+ Aux)	11 amps
Input Power Factor	0.95 typical	
Output Ratings: UPS Auxiliary Combined Total	1000VA/700W 1500VA 1500VA	1500VA/1050W 1500VA 1500VA
Output Voltage	UPS: 100/110/120/127 VAC, $\pm$ 3%; sinewave; user selectable; max 5% THD full non-linear load	
Output Frequency	50/60 Hz $\pm$ 3 Hz (synchronized to utility); 50/60 Hz $\pm$ 0.1 Hz (free running or on battery)	
Max Output Current UPS (Aux)	8.3 amps (4.2 amps)	12.5 amps
Output Overload	200% for 8 cycles; 130% for 10 seconds with transfer to bypass	
Transfer Time to Battery	Uninterrupted (none)	
<b>BATTERY</b>		
Reserve Time	7 minutes at full load (Optional external battery cabinet available to increase reserve time.)	5 minutes at full load (Optional external battery cabinet available to increase reserve time.)
Recharge Time	5 hours to 95% after full load discharge	
Rating	36VDC / 7Ahr	48VDC / 7Ahr
Type	Valve regulated, non-spillable, lead acid	
<b>ENVIRONMENTAL</b>		
Ambient Temperature	0° C to 40° C operating for altitudes 0 - 1500 meters (0 - 5000 ft) above sea level; 0° C to 35° C operating for altitudes 1500 - 3000 meters (5000 - 10,000 ft) above sea level; -15° to 50° C non-operating	
Relative Humidity	0 to 95% non-condensing	
Operating Altitude	Full rating up to 3000 meters when operated within the temperature range specified above	
Audible Noise	< 50 dBA @ 1 meter	
<b>MECHANICAL</b>		
Dimensions (H x W x D)	133mm x 432mm x 533mm (5.25" x 17" x 21")	
Weight: UPS without Battery Plug-In Battery Pack	21 kg (47 lbs) 9 kg (20 lbs)	21 kg (47 lbs) 12 kg (26 lbs)
Input Power Cord, Detachable	6' with 5-15P plug	
Receptacles	Four (4) 5-15R (UPS) and one (1) 5-15R (Aux)	

Specifications subject to change without notice. PS124.2/99

## BASIC OPERATION DIAGRAM



# UPS

universal power systems, inc.

4230 Lafayette Center Drive • Suite G  
Chantilly, Virginia 20151 USA

703.378.6100 800.438.8774 (US only) 703.378.9832 (fax)

http://www.ups.com e-mail: info@ups.com