

Global Uninterruptible Power Protection



TRUSTED SERIES 1000/1500/2000TR-IV

For conditioned, true on-line regulated sinewave power and unmatched power protection, specify the 1000/1500/2000TR-IV global uninterruptible power supply (UPS) from DRS Universal Power Systems. Built using DRS Universal Power Systems' patented Intelligent Voltage Selection™ circuit, combined with a matching isolation transformer, the unit configures and conditions a wide range of power inputs, permitting operation from domestic, international, and field-generated power sources.

Rugged construction and advanced design makes this global UPS system ideal for any deployable or fixed-site application. A front removable battery pack allows for easy battery replacement, as well as an option for reduced transport weight. Add an optional external battery cabinet with up to four trays to provide extended battery backup.

Each unit is equipped with a B-Type USB port 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. Front panel touch controls provide alarm silence, manual battery test, manual bypass and standby options.

Engineered for worldwide deployment and operation, the TR-IV rackmount global UPS system stands alone in providing clean, reliable, isolated power to sensitive electronic loads.

HIGHLIGHTS

- Global input power
- True sinewave output
- Rugged design / transportable
- MIL-STD-167-1
- Removable battery pack
- External Battery Cabinets available; provide additional back-up time
- Input isolation transformer
- Inrush current limiter
- Input power factor correction
- User selectable output voltage
- Automatic bypass
- B-Type USB port communication interface
- User installed simple network management protocol card option
- Units with 220/240 V outputs available
- LED display
- User-programmable auto restart



SPECIFICATIONS

	1000TR-IV	1500TR-IV	2000TR-IV
ELECTRICAL			
Input voltage range	92–254 VAC (automatically sensed and selected)		92–127 VAC, 198–254 VAC (automatically sensed and selected)
Input voltage rating	120 V / 240 V		
Input current rating	12 A (maximum)		16 A (maximum)
Input frequency	40–70 Hz (auto-sensing; 50/60 Hz compatibility)		
Line sag/surge range without going to battery	80–264 VAC (If total load is kept under 75%)		80–140 / 160–264 VAC (If load is kept under 75%)
Input power factor	> 0.95 typical		
Output ratings			
UPS	1000 VA / 700 W	1500 VA / 1050 W	2000 VA / 1400 W
AUX	1050 VA / 1050 W	1050 VA / 1050 W	1400 VA / 1400 W
combined (max)	1500 VA / 1050 W	1500 VA / 1050 W	2000 VA / 1400 W
UPS output voltage	120 V nominal ±3%		
Output voltage settings	UPS: 100/110/115/120/127 VAC; user selectable, max 5% total harmonic distortion (THD) full non-linear load (Note: The UPS output rating should be reduced by 10% for the output voltage setting of 100 VAC)		
Output frequency	50/60 Hz (fixed selectable; or synchronized to input)		
Output overload	200% for 2 seconds; 150% for 50 seconds with transfer to bypass		
Transfer time to battery	uninterrupted (none)		
BATTERY			
Reserve time	11 minutes at full load	7 minutes at full load	6 minutes at full load
Recharge time	3 hours to 90% after full load discharge		
Rating	48 VDC		
Type	valve regulated, non-spillable, lead acid		
Replacement time	< 5 minutes		
ENVIRONMENT			
Ambient temperature	0°C to 40°C / 32°F to 104°F operating for altitudes 0-3,000 m / 0-10,000 feet above sea level; -15°C to 50°C / 5°F to 122°F non-operating		
Relative humidity	0 to 95% non-condensing		
Operating altitude	Full rating up to 3,000 m / 10,000 feet when operated within the temperature range specified above; 15,000 meters / 50,000 feet non-operating		
Audible noise	< 50 dB at 1 m / 3.3 feet		
MECHANICAL			
Dimensions (H x W x D)	13.3 cm x 43.2 cm x 53.3 cm / 5.25 inches x 17 inches x 21 inches		13.3 cm x 43.2 cm x 61 cm / 5.25 inches x 17 inches x 24 inches
Approximate Weight chassis with battery removable battery pack	34.9 kg / 77 lbs. 11.8 kg / 26 lbs.	34.9 kg / 77 lbs. 11.8 kg / 26 lbs.	37 kg / 81.5 lbs. 11.8 kg / 26 lbs.
Input power cord	1.8 m / 6 feet with 5-15P plug	1.8 m / 6 feet with 5-15P plug	1.8 m / 6 feet with 5-20P plug
Output receptacles	four 5-15R, one 5-15R aux	four 5-15R, one 5-15R aux	four 5-20R, one 5-20R aux

Specifications subject to change without notice.



DRS Universal Power Systems

4230 Lafayette Center Drive, Suite G, Chantilly, VA 20151 Tel 703.378.6100 www.drs.com | information@upsi.com

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