

TRUSTED SERIES 1000/1500/2000TR-IV

Global Uninterruptible Power Protection



For conditioned, true on-line regulated sine wave power and unmatched power protection, specify the 1000/1500/2000TR-IV global uninterruptible power supply (UPS) from HDT Global. Built using HDT's 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.

KEY FEATURES

- Global input power
- Removable battery pack
- True sine wave output
- Inrush current limiter
- User selectable output voltage
- Rugged design / transportable
- Input isolation transformer
- Input power factor correction
- Automatic bypass
- User installed simple network management protocol card option
- User-programmable auto restart
- Units with 220/240V outputs available
- External battery cabinets available; provide additional back-up time
- Designed to meet MIL-STD-167-1

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TRUSTED SERIES SPECIFICATIONS

Ordering information	1000TR-IV	1500TR-IV	2000TR-IV
HDT part number	941-01-01	915-01701-00	924-01702-00
NSN	N/A	N/A	N/A
On GSA Contract	N/A	N/A	N/A
Input			
Voltage range ¹	92 – 254VAC	92 – 254VAC	92 – 127VAC, 198 – 254VAC
Voltage rating	120V / 240V	120V / 240V	120V / 240V
Current rating (maximum)	12 A	12 A	16 A
Frequency ²	40 – 70 Hz	40 – 70 Hz	40 – 70 Hz
Power factor	>0.95 typical	>0.95 typical	>0.95 typical
Line sag/surge range³	80 – 264VAC	80 – 264VAC	80 – 140 / 160 – 264VAC
Output ratings			
UPS	1000 VA / 700 W	1050 VA / 1050 W	2000 VA / 1400 W
AUX	1500 VA / 1050 W	1500 VA / 1050 W	1400 VA / 1400 W
Combined (max)	1050 VA / 1050 W	1500 VA / 1050 W	2000 VA / 1400 W
UPS output voltage	120V nominal ±3%	120V nominal ±3%	120V nominal ±3%
Output voltage settings⁴	UPS: 100/110/115/120/127VAC; User selectable, max 5% total harmonic distortion (THD) full non-linear load	UPS: 100/110/115/120/127VAC; User selectable, max 5% total harmonic distortion (THD) full non-linear load	UPS: 100/110/115/120/127VAC; User selectable, max 5% total harmonic distortion (THD) full non-linear load
Output frequency⁵	50/60 Hz	50/60 Hz	50/60 Hz
Output overload	200% for 2 seconds; 150% for 50 seconds with transfer to bypass	200% for 2 seconds; 150% for 50 seconds with transfer to bypass	200% for 2 seconds; 150% for 50 seconds with transfer to bypass
Output receptacles	four 5-15R, one 5-15R aux	four 5-15R, one 5-15R aux	four 5-20R, one 5-20R aux
Transfer time to battery	Uninterrupted (none)	Uninterrupted (none)	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	3 hours to 90% after full load discharge	3 hours to 90% after full load discharge
Rating	48VDC	48VDC	48VDC
Type	Valve regulated, non-spillable, lead acid	Valve regulated, non-spillable, lead acid	Valve regulated, non-spillable, lead acid
Replacement time	<5 minutes	<5 minutes	<5 minutes
Operating ambient temperature⁶	32°F to 104°F / 0°C to 40°C	32°F to 104°F / 0°C to 40°C	32°F to 104°F / 0°C to 40°C
Storage	5°F to 122°F / -15°C to 50°C	5°F to 122°F / -15°C to 50°C	5°F to 122°F / -15°C to 50°C
Relative humidity	0 to 95% non-condensing	0 to 95% non-condensing	0 to 95% non-condensing
Operating altitude⁷	0 – 10,000' / 0 – 3,000 m	0 – 10,000' / 0 – 3,000 m	0 – 10,000' / 0 – 3,000 m
Storage	0 – 50,000' / 0 – 15,000 m	0 – 50,000' / 0 – 15,000 m	0 – 50,000' / 0 – 15,000 m
Dimensions (L x W x H)	21" x 5.25" x 17" / 53.3 x 13.3 x 43.2 cm	21" x 5.25" x 17" / 53.3 x 13.3 x 43.2 cm	24" x 5.25" x 17" / 61 x 13.3 x 43.2 cm
Weight			
Chassis with battery	77 lbs / 34.9 kg	77 lbs / 34.9 kg	81.5 lbs / 37 kg
Removable battery pack	26 lbs / 11.8 kg	26 lbs / 11.8 kg	26 lbs / 11.8 kg
Input power cord	6' (1.8 m) with 5-15P plug	6' (1.8 m) with 5-15P plug	6' (1.8 m) with 5-20P plug
Noise	< 50dB at 3.3' (1 m)	< 50dB at 3.3' (1 m)	< 50dB at 3.3' (1 m)

1 Automatically sensed and selected

2 Auto-sensing; 50/60 Hz compatibility

3 Without going to battery if total load is kept under 75%

4 The UPS output rating should be reduced by 10% for the output voltage setting of 100 VAC

5 Fixed selectable; or synchronized to input

6 For operating altitudes

7 When operated within the operating ambient temperature range

Products, product specifications and data are subject to change without notice to improve reliability, function, and/or design. Please contact Customer Service at 800.969.8527 for the most up-to-date product information.

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Revision 2 07-17 01-06-01-0387