

Sustainment Systems Power Solutions



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

Rugged construction and advanced design makes this Trusted Series UPS ideal for any worldwide transportable application. DRS Universal Power Systems' patented, Intelligent Voltage Selection™ (IVS) circuit combined with a matching isolation transformer configures and conditions a wide range of inputs. The TR-III 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-III effortless. A front removable battery pack allows battery replacement while on bypass and reduces transport weight. Add an optional external battery cabinet with up to two additional battery trays to provide extended battery runtime. The intelligent design of the TR-III includes single point grounding to eliminate common mode noise and input power factor correction to maximize power capacity.

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 alarm silence and UPS output power. Built to satisfy your current and future requirements for a dependable, deployable, true on-line UPS – DRS Universal Power Systems presents the TR-III - another Trusted Series product.

DRS UNIVERSAL POWER SYSTEMS



DRS's TRUSTED SERIES 1000/1500/2000TR-III

Features

- Global Input Power
- Removable Battery Packs
- True Sinewave Output
- Inrush Current Limiter
- User Selectable Output Voltage
- Rugged Design / Transportable
- Input Isolation Transformer
- Input Power Factor Correction
- Automatic Bypass
- User Installed SNMP Card Option



DRS UNIVERSAL POWER SYSTEMS
4230 Lafayette Center Drive
Suite G
Chantilly, VA 20151

703.379.6100
Fax 703.378.9700
800.438.8774
information@upsi.com
www.drs.com

03/07

	1000TR-III	1500TR-III	2000TR-III
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 autosensing; 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 \pm 3%		
Output voltage settings	UPS: 100/110/115/120/127 VAC; user selectable, max 5% THD full non-linear load*		
Output frequency	50 or 60 Hz (fixed selectable; or synchronized to input)		
Output overload	200% for 8 cycles; 130% for 10 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	5 hours to 95% 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 operating for altitudes 0-3,000 meters (0-10,000 feet) above sea level; -15°C 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 15,000 meters non-operating		
Audible noise	< 50 dBA @ 1 meter		
Mechanical			
Dimensions (H x W x D)	5.25" x 17" x 21" (133 mm x 432 mm x 533 mm)		5.25" x 17" x 24" (133 mm x 432 mm x 610 mm)
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' with 5-15P plug	6' with 5-15P plug	6' with 5-20P plug
Output receptacles	Four (4) 5-15R, One (1)5-15R Aux		Four (4) 5-20R, One (1)5-20R Aux

* Important Note: The UPS output rating should be reduced by 10% for the output voltage setting of 100 VAC.

Specifications subject to change without notice.

DRS UNIVERSAL POWER SYSTEMS

