DTK-UPS+ Series

Online Double Conversion Uninterruptible Power Supplies



DITEK's DTK-UPS+ Series is designed with the latest online double conversion technology to enable your equipment to survive even the harshest power quality issues. From surges and spikes to brownouts and complete power loss, the DTK-UPS+ Series will keep your equipment up and running when it matters most. DITEK's industry proven UPS products provide cost-effective and reliable performance for network servers, video surveillance systems, back-office computers and similar mission critical equipment.

PRODUCT FEATURES

- Online double conversion technology provides superior equipment protection
- 1000VA, 1500VA, 2000VA and 3000VA models available
- Compliant to U.S. DOE Energy Conservation Standard efficiency requirements (Jan 2022)
- Programmable power management outlets
- Hot-swappable battery design
- Easily converts from rack mount to tower profile
- Invisible transitioning between AC and battery
- Intuitive LCD display
- USB and Ethernet interfaces available on all models
- Software provided for remote monitoring
- Supports auto shutdown when battery is depleted
- Compatible with backup generator systems

APPLICATIONS

- Network Servers
- Video Surveillance Systems
- Home Theater Components
- Back Office Computers
- Point of Sale Devices

ACCESSORIES

- SNMP card P/N DTK-UETH1
- Rack mounting rails P/N DTK-URK1 (included with 1500VA, 2000VA and 3000VA models)

DITEK Surge Protection, Largo, FL 33771 • Sales: 800-753-2345
Diteksurgeprotection.com • SPS-100019-006 Rev 2 05/26

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TECHNICAL SPECIFICATIONS

Part Number:	DTK-UPS1000R+	DTK-UPS1500R+	DTK-UPS2000R+	DTK-UPS3000R+
Capacity:	1000VA / 1000W	1500VA / 1500W	2000VA / 2000W	3000VA / 3000W
INPUT				
Input Voltage:	100/110/115/120/127Vac			
Required Power Outlet:	NEMA 5-15R (15A)	NEMA 5-15R (15A)	NEMA 5-20R (20A)	NEMA L5-30R (30A)
Low Line Transfer:	80Vac / 70Vac / 60Vac / 55Vac ± 5% (Based on load percentage 100% - 80% / 80% - 70% / 70% - 60% / 60% - 0)			
Low Line Comeback:	87Vac / 77Vac / 67Vac / 62Vac ± 5%			
High Line Transfer:	150Vac ± 5%			
High Line Comeback:	144Vac ± 5%			
Frequency Range:	40Hz – 70Hz			
Power Factor:	≥ 0.99 @ Nominal Voltage (100% load)			
OUTPUT				
Output Voltage:	100/110/115/120/125/127Vac			
AC Voltage Regulation:	± 1% (Battery mode)			
Frequency Range:	47 ~ 53Hz or 57 ~ 63Hz (Synchronized range) / 50Hz ± 0.1Hz or 60Hz ± 0.1Hz (Battery mode)			
Current Crest Ratio (CF):	3:1			
Harmonic Distortion:	≤ 2% THD (Linear load), ≤ 4% THD (Non-linear load)			
Transfer Time:	AC Mode to Battery Mode: Zero Inverter to Bypass: < 4ms			
Waveform (battery mode):	Pure sine wave			
OUTLETS				
Programmable (non-critical loads):	(4) 15A	(4) 15A	(4) 15A/20A	(3) 15A/20A
Receptacles (mission-critical loads):	(4) 15A	(4) 15A	(4) 15A/20A	(3) 15A/20A, (1) 30A
BATTERY				
Battery Type – Quantity:	12Vdc / 9Ah (2)	12Vdc / 9Ah (3)	12Vdc / 9Ah (4)	12Vdc / 9Ah (6)
Typical Recharge Time:	3 hours to recover to 95% capacity			
Battery Runtime:	2m 45s (100% load) 9m 30s (50% load)	2m 55s (100% load) 9m 33s (50% load)	2m 45s (100% load) 9m 40s (50% load)	2m 56s (100% load) 9m 50s (50% load)
INDICATORS				
LCD:	UPS Status, Load Level, Battery Level/Info, Input/Output Info, Discharge Time, Fault Indicators			
Alarm Sounding:	BATTERY MODE: every 5 seconds - LOW BATTERY: every 2 seconds OVERLOAD: every second - FAULT: continuously sounding - BYPASS: every 10 seconds			
PHYSICAL & ENVIRONMENTAL				
Dimensions (L x W x H):	16.1 in x 17.2 in x 3.5 in	20.0 in x 17.2 in x 3.5 in	20.0 in x 17.2 in x 3.5 in	24.8 in x 17.2 in x 3.5 in
Weight:	39 lbs. (17.6 kg)	50 lbs. (22.7 kg)	47 lbs. (21.3 kg)	78 lbs. (35.4 kg)
Humidity:	20 – 95% RH @ 0 - 40ºC (non-condensing)			
Noise Level:	< 50dBA @ 1 meter (With fan speed control)			
MANAGEMENT				
Smart RS232/USB:	Compatible with Windows 2000/2003/XP/Vista/2008/7/10, Linux, Unix, MAC			
Optional SNMP:	Power management from SNMP manager and web browser			
SAFETY STANDARDS & CERTIFICATIONS				
Certifications:	TUV Listed to UL 1778 U.S. DOE Energy Conservation Standard (01/2022)			
Warranty:	3 Year Limited Warranty			

Derate capacity to 95% when output is adjusted to 115VAC, to 90% when adjusted to 110vac, and to 80% when adjusted to 100VAC

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