

# DTK-UPS Series

On-Line Uninterruptible Power Supplies – Tower/Rack Mount



**DITEK's DTK-UPS Series** combines robust surge protection with on-line double conversion Uninterruptible Power Supply 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
- Rack/Tower models available in 1kVA, 1.5kVA, 2kVA and 3kVA
- Mounting rails included with 1.5kVA, 2kVA and 3kVA models
- Easily converts from rack 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
- SNMP Card included with all "E" models
- Supports auto shutdown when battery is depleted

## Applications

- Network Servers
- Video Surveillance Systems
- Back Office Computers
- PC-Based Phone Systems
- Point of Sale Devices

## Accessories

- SNMP Card (included with "E" models)
  - DTK-UETH1
- Mounting Rails (included with 1.5kVA, 2kVA & 3kVA models)
  - DTK-URK1
- Replacement Battery
  - DTK-UB12460

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## Technical Specifications

Part Number:	DTK-UPS1000R DTK-UPS1000RE	DTK-UPS1500RE	DTK-UPS2000RE	DTK-UPS3000RE
Capacity:	1000VA, 900W	1500VA, 1350W	2000VA, 1800W	3000VA, 2700W
<b>INPUT – Voltage Rating and Required Power</b>				
Voltage Rating:	100*/110*/115*/120/127VAC			
Required Power:	15A	15A	20A	30A
Low Line Transfer:	80VAC / 70VAC / 60VAC / 55VAC ± 5% (based on load percentage 100% - 80% / 80% - 70% / 70% - 60% / 60% - 0)			
Low Line Comeback:	80VAC / 75VAC / 65VAC / 60VAC ± 5%			
High Line Transfer:	150VAC ± 5%			
High Line Comeback:	140VAC ± 5%			
Frequency Range:	50Hz / 60Hz			
Power Factor:	≥ 0.99 at normal voltage			
<b>OUTPUT</b>				
Output Voltage:	100*/110*/115*/120/127VAC			
AC Voltage Regulation:	± 1%			
Frequency Range:	47 ~ 53Hz or 57 ~ 63Hz (Synchronized Range) / 50Hz ± 0.5% or 60Hz ± 0.5% (Battery Mode)			
Current Crest Ratio (CF):	3:1 (Max.)			
Harmonic Distortion (THDU):	≤ 2% (Linear Load) - ≤ 4% (Non-Linear Load)			
Transfer Time:	<b>AC TO DC: Zero - INVERTER TO BYPASS: 4 ms (typical)</b>			
Waveform (Battery Mode):	Pure Sine wave			
<b>OUTLETS</b>				
Programmable (non-critical loads):	2 15A	2 15A	4 15A/20A	2 15A/20A
Receptacles (mission-critical loads):	2 15A	2 15A	4 15A/20A	2 15A/20A, 1 30A
<b>EFFICIENCY</b>				
AC Mode:	90%	90%	91%	91%
Battery Mode:	88%	89%	88%	90%
<b>BATTERY</b>				
Battery Type – Quantity:	12V/9Ah - 2	12V/9Ah - 3	12V/9Ah - 4	12V/9Ah - 6
Typical Recharge Time:	4 hours recover to 90% capacity (for standard models)			
Battery Runtime (100% Load):	2 min, 45 sec	2 min, 55 sec	4 min, 45 sec	4 min, 50 sec
(50% Load):	9 min, 30 sec	10 min, 05 sec	8 min, 30 sec	12 min, 50 sec
<b>INDICATORS</b>				
LCD:	UPS Status, Load Level, Battery Level/Info, Input/Output Info, Discharge Time, Fault Indicators			
Alarm Sounding:	<b>BATTERY MODE:</b> every 4 seconds - <b>LOW BATTERY:</b> every second <b>OVERLOAD:</b> twice every second - <b>FAULT:</b> continuously			
<b>PHYSICAL</b>				
Dimensions (LxWxH):	16.14" x 17.24" x 3.46"	20.00" x 17.24" x 3.46"	20.10" x 17.24" x 3.46"	24.80" x 17.24" x 3.46"
Weight:	29.10 lbs	31.97 lbs	47.18 lbs	65.26 lbs
<b>ENVIRONMENTAL</b>				
Humidity:	20 – 90% RH @ 0 - 40°C (non-condensing)			
Noise Level:	< 50dBA @ 1 Meter			
<b>MANAGEMENT</b>				
Smart RS-232/USB:	Compatible with Windows 2000/2003/XP/Vista/2008/7/10, Linux, Unix, MAC			
Optional SNMP:	Power management from SNMP Manager and web browser – included with models ending in E			
<b>QUALITY, STANDARDS &amp; APPROVAL</b>				
Agency Approvals:	UL1778, cUL			
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