DTK-UPS Series
On-Line Uninterruptible Power Supplies – Tower/Rack Mount

DTK-UPS2000R

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 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
- External battery pack available for extended run time

Applications

- Network Servers
- Video Surveillance Systems
- Back Office Computers
- PC-based phone systems
- Point of Sale Devices

- -

Accessories

- Extended Battery Packs
    - DTK-UXB1000R for 1kVA models
    - DTK-UXB1500R for 1.5kVA models
    - DTK-UXB2000R for 2kVA models
    - DTK-UXB3000R for 3kVA models
- SNMP Card (included with "E" models)
    - DTK-UETH1
- Mounting Rails (included with 1kVA & 2kVA models)
    - DTK-URK1
- Replacement Battery

ISO 9001

UL LISTED

DTK-UPS Series
On-Line Uninterruptible Power Supplies – Tower/Rack Mount

DITEK®
Surge Protection

Technical Specifications

Part Number:	DTK-UPS1000R	DTK-UPS1500RE	DTK-UPS2000RE	DTK-UPS3000RE
Capacity:	1000VA, 900W	1500VA, 1350W	2000VA, 1800W	3000VA, 2700W
INPUT – Voltage Rating and Required Power				
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			
OUTPUT				
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:	**AC TO DC:** Zero - **INVERTER TO BYPASS:** 4 ms (typical)			
Waveform (Battery Mode):	Pure Sine wave			
OUTLETS				
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
EFFICIENCY				
AC Mode:	90%	90%	91%	91%
Battery Mode:	88%	89%	88%	90%
BATTERY				
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
Runtime with Extended Battery Pack (100% Load):	15 min	16 min	16 min	16 min
(50% Load):	38 min	39 min	39 min	38 min
INDICATORS				
LCD:	UPS Status, Load Level, Battery Level/Info, Input/Output Info, Discharge Time, Fault Indicators			
Alarm Sounding:	**BATTERY MODE:** every 4 seconds - **LOW BATTERY:** every second **OVERLOAD:** twice every second - **FAULT:** countinuously			
PHYSICAL				
Dimensions (LxWxH):	16.14" x 17.24" x 3.46"	16.14" 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
ENVIRONMENTAL				
Humidity:	20 – 90% RH @ 0 - 40ºC (non-condensing)			
Noise Level:	< 50dBA @ 1 Meter			
MANAGEMENT				
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			
QUALITY, STANDARDS & APPROVAL				
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