Dell Smart-UPS
1500 – 3000 VA
230 V

Advanced line interactive power protection for servers and network equipment

Reliable. Intelligent. Efficient. Manageable.

Engineered by APC™ by Schneider Electric, the Dell Smart-UPS™ is based on the most popular UPS in the world for servers, storage, and networks. Trusted to protect critical data and equipment from power problems, Smart-UPS units supply clean and reliable network-grade power, and have extremely high efficiency at low, medium, and high load levels — making them ideal for today's multicore or virtualized servers that have varying load consumption. Available in both tower and rackmount form factors, there is a model for every application and budget.

Intelligent and efficient network power protection, Smart-UPS is the ideal choice for servers, point-of-sale, routers, switches, hubs, and other network devices.

Life Is On | **APC**™ by Schneider Electric

DELL

Dell Smart-UPS tower and rackmount 1500 – 3000 VA

Application-optimized standard models, ideal for servers, storage, point-of-sale, and other network devices

[DLT1500RMI2U]

[DLT1500I]

[DLT1500RMI2U]

[DLT1500I]

Standard features

High-efficiency green mode:
Optimum efficiency, which saves utility and cooling costs

Emergency power off (EPO):
Provides for remote UPS shut-off in the event of a fire or other emergency (2,200 VA and above)

Alphanumeric LCD display:
Intuitive interface providing detailed and accurate information with ability to configure locally

Battery disconnect:
Convenient way to disconnect battery for transport

Network-grade power:
Provides most stable power conditions by filtering noise, automatic voltage regulation (AVR), and surge protection

Communication ports:
Serial, USB, and SmartSlot™ for accessory cards

Advanced battery management:
Temperature-compensated charging extending life, and advanced algorithms recommend replacement date

Dell Smart-UPS display

Intuitive, easy-to-use LCD interface

Standard features

LCD display screen
Clear, consistent, and detailed information in your choice of basic or advanced menus

Power status:
• Operating mode and efficiency
• Load VA/Watts/Amps
• Input/output (I/O) voltage and frequency
• Battery capacity and runtime
• Energy meter and more

Control:
UPS and outlet group settings

Configuration:
• Language
• Power quality settings
• Alarm, delay, and threshold settings

Test and diagnostics:
Initiate battery and runtime calibration tests

Logs:
See explanation of last 10 transfers and faults

About:
UPS and replacement battery part numbers, serial numbers, battery install, and suggested replacement dates

Quick status indicators
Online, on battery, fault, and replace battery LEDs for quick status identification
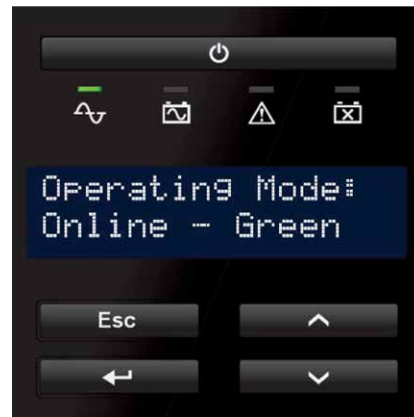
Escape:
Exits to the previous menu or screen

Return:
Used to enter or confirm settings

Navigation arrows:
Allow for quick adjustment of settings

Product services and accessories

Dell Smart-UPS warranty and support is provided by APC. In addition, APC offers a wide variety of accessories for Dell Smart-UPS, including the items listed below:

Management cards
AP9630: UPS network management card

AP9631: UPS network management card with environmental monitoring

AP9635: UPS network management card with environmental monitoring, out of band access, and modbus

AP9620: Legacy Communications SmartSlot card

Additional accessories
AP9625: APC Smart-UPS two-post rail kit

Service bypass panels
SBP1500RM: APC service bypass PDU, 120 V; 15 AMP w/(8) NEMA® 5-15R

SBP3000RMI: APC service bypass PDU, 230 V; 16 AMP w/ IEC C20 input; (6) IEC C13 and (1) IEC C19 output

SBP3000: APC service bypass panel, 100 – 240 V; 30 A; BBM; hardwire I/O

SBP3000RMHW: APC service bypass panel, 100 – 240 V; 30 A; BBM; hardwire I/O

AP9635

SBP3000RMI

Dell Smart-UPS models

UPS model	DLT1500I	DLT2200I	DLT1500RMI2U	DLT3000RMI2U
Output				
Power capacity	1000 W/1500 VA	1980 W/2200 VA	1000 W/1500 VA	2700 W/3000 VA
Nominal output voltage	230 V (also configurable to 220 or 240 V nominal)			
Output frequency	47 – 53 Hz for 50 Hz nominal; 57 – 63 Hz for 60 Hz nominal			
Waveform type	Sine wave			
Output connections	(8) IEC-320 C13	(8) IEC-320 C13, (1) IEC-320 C19	(4) IEC-320 C13	(8) IEC-320 C13, (1) IEC-320 C19
Input				
Nominal input voltage	230 V		230 V (configurable for 220, 230, or 240)	
Input voltage range for main operations (Max adjustable range)	160 – 286 V (150 – 300 V)			
Input frequency	50/60 Hz +/- 3 Hz (auto sensing)			
Input connection	IEC-320 C14	IEC-320 C20	IEC-320 C14	IEC-320 C20
Batteries and runtime (h:mm)				
Battery type	Maintenance-free sealed lead-acid battery with suspended electrolyte; leak proof			
Replacement battery	RBC7	RBC55	APCRBC133	RBC43
Runtime estimates				
200 W	1:24	2:17	:27	1:26
500 W	:23	:51	:12	:38
700 W	:12	:34	:07	:26
1,000 W	:07	:21	:04	:17
1,400 W		:13		:11
1,600 W		:10		:09
Full load	:07	:07	:04	:03
Communication and management				
Interface ports	Serial (RJ45), USB, and SmartSlot			
Control panel and audible alarms	Alpha-numeric LCD display with LED status indicators; alarm on battery, distinctive low battery alarm and configurable delays			
Emergency power off (EPO)	Optional	Yes	Optional	Yes
Physical				
Maximum height cm (in.)	21.9 (8.6)	43.5 (17.1)	8.9 (3.5)	8.6 (3.39)
Maximum width cm (in.)	17.1 (6.7)	19.7 (7.8)	43.2 (17.0)	48.0 (18.9)
Maximum depth cm (in.)	43.9 (17.3)	54.4 (21.4)	45.7 (18.0)	68.3 (26.9)
Net weight kg (lb.)	18.86 (42)	48.8 (108)	28.64 (63.0)	44.28 (97.4)
Conformance				
Regulatory	C-tick, CE®, EN62040-1, EN62040-2, EN60950-1, GOST, VDE			
Warranty	3 years: UPS and battery			

Dell Smart-UPS On-Line 230 V

Industry-leading power factor single-phase, double-conversion online UPS with advanced management features.

A versatile UPS developed for unstable power conditions worldwide.

The Dell Smart-UPS On-Line UPS engineered by APC provides high-density, double-conversion, online power protection for servers, voice/data networks, medical labs, and light industrial applications. The Dell Smart-UPS On-Line is capable of supporting loads from 3 kVA to 8 kVA in a rack/tower convertible chassis. The 8 kVA model features unity output power factor enabling it to support power-hungry blade servers or heavily loaded equipment racks. When business-critical systems require runtime in hours, not minutes, Dell Smart-UPS On-Line can be configured with multiple battery packs to meet aggressive runtime demands.

The included PowerChute™ Network Shutdown management software provides unattended graceful shutdown of network operating systems. All models include an integrated network management card for remote management. The entire Dell Smart-UPS On-Line family provides value to customers with demanding power conditions, including a very wide input voltage window, extremely tight output voltage regulation, frequency regulation, internal bypass, and input power factor correction.

Dell Smart-UPS On-Line

Industry-leading power factor maximizing UPS density.

Rackmount and tower DLRT 3 kVA – 8 kVA

[DLRT5KRMXLI shown]

Features

Best-in-class power density:
More real power in watts, 0.9 pf on 3 kVA and 5 kVA, 1.0 pf on 8 kVA units.

High-efficiency green mode:
Achieves up to 98% efficiency, which saves utility and cooling costs without compromising performance or reliability.

**Graphical LCD display
with multicolor backlight:**
Intuitive interface provides detailed and accurate information with ability to configure locally.

Intelligent battery management:
Temperature-compensated charging extends life and advanced algorithms recommend replacement date. The UPS can inform the user which batteries need to be replaced and auto detect when additional battery packs are added.

Built-in energy meter:
Measures energy use and displays UPS efficiency in various modes of operation for easy energy tracking.

Operate without battery:
Ability to immediately protect equipment when power returns.

Rack/tower convertible:
Dell Smart-UPS On-Line UPS and battery packs ship with both rackmount hardware and tower installation feet enabling flexibility for user application. (The 8 kVA model does not need feet for tower installation.)
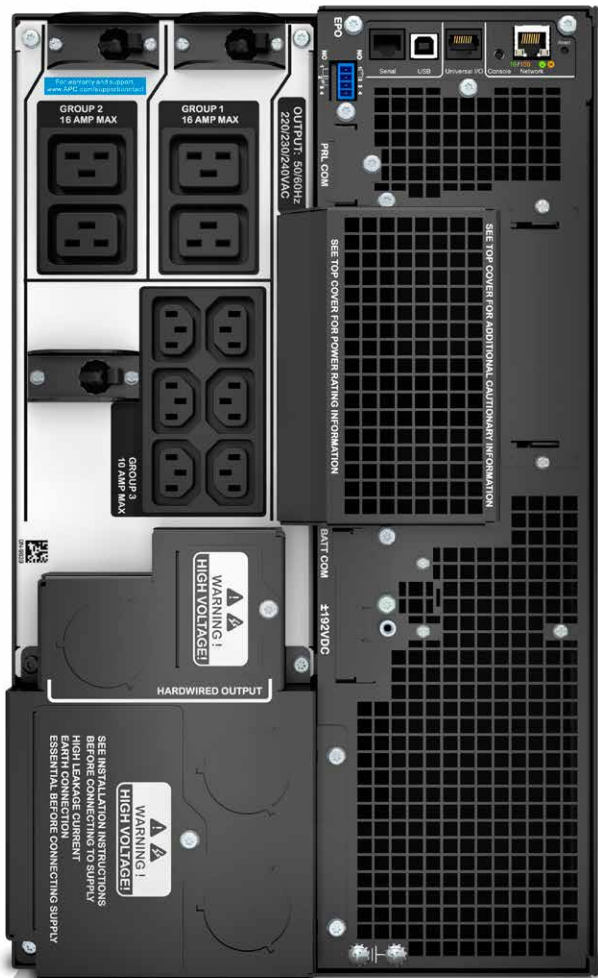
Three-year warranty:
Additional year of warranty provides peace of mind.

Dell Smart-UPS On-Line

Proven performance with the world's largest installed base of single-phase, double-conversion products.

Rackmount/tower convertible DLRT 3 kVA – 8 kVA

[DLRT8KRMXLI shown]

Additional features

Embedded network management card with environmental monitoring:
Remote monitoring and control of the UPS and the environment via Ethernet connection (5 kVA and 8 kVA) while freeing up the SmartSlot so customers can add accessories for additional communication options.

Switched outlet group(s):
Ability to control a group of output load receptacles independent from the main UPS. Enables:
• Rebooting hung device without cycling the entire UPS
• Sequenced turn ON/OFF
• Shedding of noncritical loads based on a variety of parameters (on battery time, runtime remaining, and overload)
• Scheduled time OFF to conserve energy

Emergency power off (EPO):
Remote UPS shutoff in the event of a fire or other emergency. The UPS can accept normally open (NO) or normally closed (NC) contacts.

Communication ports:
Serial, USB, Ethernet (optional for 3 kVA), and SmartSlot for network accessory cards.

Communication protocols:
Modbus Serial, USB Power Summary, HTTP, SNMP, and Telnet.

1:1, 3:1 input hardwire options:
Product can be wired for 3-PH or 1-PH input (230 V 8 kVA model only).

Dual input:
Enables second input source to be connected to UPS bypass (230 V, 8 kVA, model only).

Dell Smart-UPS On-Line display

Intuitive, easy-to-use LCD provides clear and accurate information in multiple languages.

Standard features

LCD display screen:
Accurately provides real-time status updates in your choice of basic or advanced menus.

UPS status (scrolling):
• Output voltage
• Input voltage
• Output frequency
• Runtime
• Load
• Battery health

Control:
• UPS and outlet group settings
• Bypass control

Configuration:
• Output voltage, frequency
• Language, brightness, contrast
• Alarm volume
• IP address

Test and diagnostics:
• Initiate battery and runtime calibration tests.

About:
• UPS serial number, battery part number
• Battery install and suggested replacement dates.

Backlight screens:
Amber: Indication of condition that requires attention.

Red: Indication of UPS alarm that requires immediate attention.

Product accessories

Management cards

AP9630: UPS network management card with PowerChute network shutdown

AP9631: UPS network management card with PowerChute network shutdown and environmental monitoring

AP9635: UPS network management card with environmental monitoring, out of band access, and modbus

AP9335TH: APC temperature and humidity sensor

AP9810: APC dry contact I/O accessory

AP9624: UPS interface expander

Battery packs

DLRT96RMBP: Dell Smart-UPS SRT 96 V, 3 kVA tower/rackmount battery pack

DLRT192RMBP: Dell Smart-UPS SRT 192 V, 5 kVA tower/rackmount battery pack

DLRT192RMBP2: Dell Smart-UPS SRT 192 V, 8 kVA tower/rackmount battery pack

SRT010: Dell Smart-UPS SRT 15 ft. extension cable for 96 VDC external battery packs 3 kVA UPS

SRT002: Dell Smart-UPS SRT 15 ft. extension cable for 192 VDC external battery packs 5 kVA UPS

SRT003: Dell Smart-UPS SRT 15 ft. extension cable for 192 VDC external battery packs 8 kVA UPS

Rail kits

SRTRK2: APC Smart-UPS SRT 19 in. rail kit for Dell Smart-UPS DLRT5KRMXLI and DLRT8KRMXLI

SRTRK3: APC 2-post mounting rail kit for Dell Smart-UPS DLRT3000RMXLI, DLRT5KRMXLI and DLRT8KRMXLI

SRTRK4: APC Smart-UPS 19 in. rail kit for Dell Smart-UPS DLRT3000RMXLI

Backplate kits

SRT001: Output hardwire kit for Dell Smart-UPS DLRT5KRMXLI

SRT012: I/O hardwire kit for Dell Smart-UPS DLRT3000RMXLI

Transformers

SURT001: Isolation transformer for Dell Smart-UPS DLRT3000RMXLI

SURT002: Isolation transformer for Dell Smart-UPS DLRT5KRMXLI

APTF10KW01: Isolation transformer for Dell Smart-UPS DLRT8KRMXLI

Service bypass panels

SBP5000RMI2U: APC service bypass panel 230 V; 32 A; BBM, IEC-320 C20/hardwire input; (2) IEC-320 C19, (8) C13 output, supports Dell Smart-UPS DLRT3000RMXLI and DLRT5KRMXLI

SBP6KRMI2U: APC service bypass panel 230 V; 50 A; MBB; hardwire input; (4) IEC-320 C19 output, supports Dell Smart-UPS DLRT3000RMXLI and DLRT5KRMXLI

SBP10KRMI4U: APC service bypass panel 230 V; 100 A; MBB; hardwire input; IEC-320 output (8) C13 (2) C19, supports Dell Smart-UPS DLRT8KRMXLI

Other

SURT013: SURT equipment cart

Replacement battery cartridge

APCRBC140 (DLRT5KRMXLI and DLRT8KRMXLI)

APCRBC152 (DLRT3000RMXLI)

Management card

Battery pack

Rail

Dell Smart-UPS On-Line DLRT 3 kVA – 8 kVA technical specifications

UPS model	DLRT3000RMXLI	DLRT5KRMXLI	DLRT8KRMXLI
Output			
Power capacity	2700 W/3000 VA	4500 W/5000 VA	8000 W/8000 VA
Nominal output voltage	230 V (220 V, 240 V user selectable)		
Output frequency	50/60 Hz +/- 3 Hz (autosense) 50/60 Hz +/- 0.1Hz (user selectable)		
Efficiency online at full load	92%	94%	94%
Efficiency in green mode	97%	98%	98%
Topology and output waveform	Double conversion online; sine wave		
Output connections	(2) IEC 320 C19, (8) IEC 320 C13	(4) IEC 320 C19, (6) IEC 320 C13	(4) IEC 320 C19, (6) IEC 320 C13, HW 3-Wire (L, N, G)
Switched outlet groups	2	3	3
Input			
Nominal input voltage	220 V, 230 V, 240 V	220 V, 230 V, 240 V	220 V/380 V, 230 V/400 V, 240 V/415 V
Input voltage range at full load (half load)	160 – 275 V (100 – 275 V)		160/277 – 275/476 V (100/173 – 275/476 V)
Input frequency	40 – 70 Hz (auto sensing)		
Input connection	British BS1363A, IEC-320 C20, Schuko CEE 7/EU1-16P	Hardwire 3 wire (1PH+N+G)	Hardwire 3 wire (1PH+N+G), Hardwire 5-wire (3PH + N + G)
Batteries			
Battery type	Maintenance-free sealed lead-acid battery with suspended electrolyte, leak proof		
Replacement battery cartridge	APCRBC152	APCRBC140	2 x APCRBC140
Extended run battery module	DLRT96RMBP	DLRT192RMBP	DLRT192RMBP2
Runtime estimates			
At full and half load, min	1350 W/2700 W	2250 W/4500 W	4000W/8000W
Internal battery only	11.8/4.0	11.8/4.0	14.5/5.2
1 x external battery pack	46.4/20.5	46.2/20.5	34.5/14.7
2 x external battery pack	83.3/38.1	83.0/38.0	55.4/24.6
3 x external battery pack	121.6/56.3	121/56.4	77.0/34.8
4 x external battery pack	160.9/75.1	160.4/75.1	99.1/45.3
Communication and management			
Interface ports	RJ-45 Serial, SmartSlot, USB	RJ-45 10/100 Base-T, RJ-45 Serial, SmartSlot, USB	
Control panel and audible alarms	Multifunction LCD status and control console, audible and visible alarms prioritized by severity		
Emergency power off (EPO)	Yes (NO/NC connections)		
Physical			
Rack height	2U	3U	6U
Maximum height	85 mm (8.5 cm)	130 mm (13.0 cm)	263 mm (26.3 cm)
Maximum width	432 mm (43.2 cm)	432 mm (43.2 cm)	432 mm (43.2 cm)
Maximum depth	635 mm (63.5 cm)	719 mm (71.94 cm)	715 mm (71.5 cm)
Net weight	31.3 kg	54.43 kg	111.82 kg
Conformance			
Regulatory	CE, CE Mark, EN/IEC 62040-1, EN/IEC 62040-2, EAC, KCC, RCM, VDE		
Warranty	3 years repair or replace		