

Dell Smart-UPS On-Line 208 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™ by Schneider Electric™ 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 5 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 5 kVA – 8 kVA



[DLRT5KRMXLT shown]

Features

Best-in-class power density

More real power in watts, 0.85 pf on 5 kVA, 1.0 pf on 8 kVA.

High-efficiency “green mode”

Achieves 98% efficiency, which saves utility and cooling costs without compromising performance or reliability. Energy STAR Compliant.

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.)

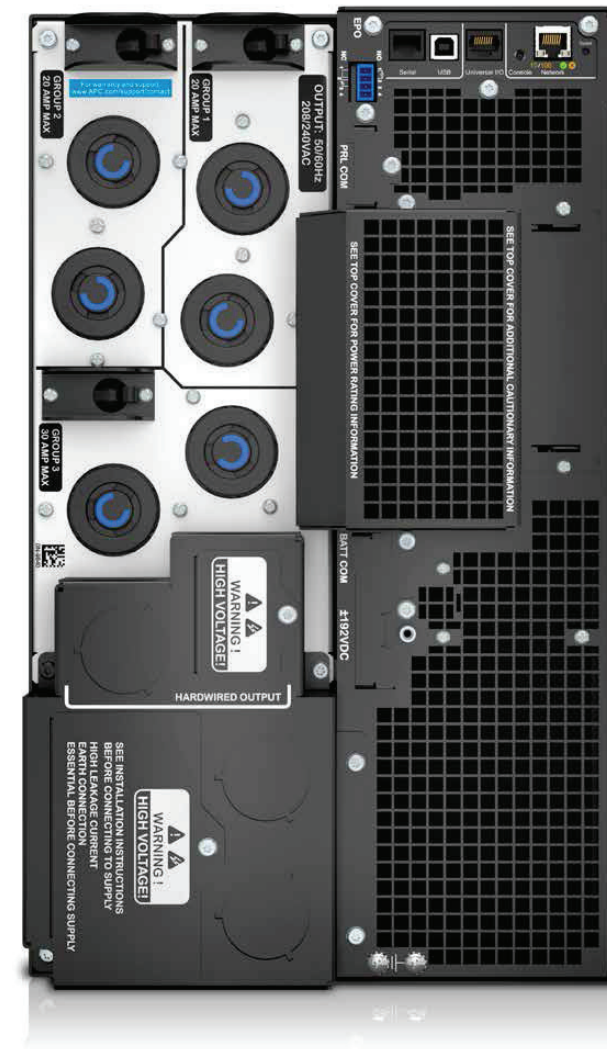
Three-year warranty

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 5 kVA and 8 kVA



[DLRT8KRMXLT shown]

Additional features

Embedded network management card with environmental monitoring.

Remote monitoring and control of the UPS and the environment via Ethernet connection 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 non-critical loads based on a variety of parameters (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, and SmartSlot for network accessory cards.

Communication protocols

Modbus Serial, USB PowerSummary, HTTP, SNMP, and Telnet.

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 & Environmental Monitoring

AP9335TH: APC Temperature & Humidity Sensor

AP9810: APC Dry Contact I/O Accessory

AP9624: UPS Interface Expander

Battery packs

DLRT192RMBP: Dell Smart-UPS SRT 192 V 5 kVA RM/Tower Convertible Battery Pack

DLRT192RMBP2: Dell Smart-UPS SRT 192 V 8 kVA RM/Tower Convertible Battery Pack

SRT002: APC Smart-UPS SRT 15 ft. Extension Cable for 192 VDC External Battery Packs 5 kVA UPS

SRT003: APC 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 DLRT5KRMXLT and DLRT8KRMXLT

SRTRK3: APC Smart-UPS DLRT 2 Post Mounting Rail Kit for Dell Smart-UPS DLRT5KRMXLT and DLRT8KRMXLT

Backplate kit

SRT001: Output HW kit for Dell Smart-UPS DLRT5KRMXLT

SRT004: Dell Smart-UPS DLRT5KRMXLT PDU, 208 V (4) L6-20

SRT008: Dell Smart-UPS DLRT8KRMXLT PDU, 208 V (6) L6-30

Service bypass panels

SBP5KRMT2U: APC Service Bypass Panel - 200/208/240 V; 30A; BBM; L6-30P Input; (2) L6-30R (2) L6-20R Output, Supports Dell Smart-UPS DLRT5KRMXLT

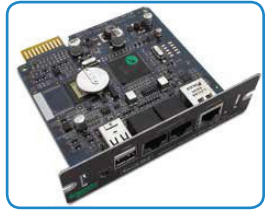
SBP10KRMT4U: APC Service Bypass Panel - 200/208/240 V; 100A; MBB; Hardwire Input; (3) L6-30R (3) L6-20R Output, Supports Dell Smart-UPS DLRT8KRMXLT

Other

SURT013: SURT Equipment Cart

Replacement battery cartridge

APCRBC140



Network Management Card



Battery Pack



Rail Kits

Runtime estimates at half and full load (minutes):

UPS half/full loads	DLRT5KRMXLT (2125 W/4250 W)	DLRT8KRMXLT (4000 W/8000 W)
Internal	12.6/4.4	14.4/5.2
(1) Battery pack	49/21.8	34.2/14.6
(2) Battery packs	87.8/40.4	55/24.4
(3) Battery packs	128.1/59.7	76.4/34.6
(4) Battery packs	169.5/79.5	98.3/45

Dell Smart-UPS On-Line DLRT 5 kVA – 8 kVA technical specifications

Product feature	DLRT5KRMXLT	DLRT8KRMXLT
Output		
Power rating	5,000 VA/4,250 W	8,000 VA/8,000 W
Nominal output voltage	208 V (240 V user selectable)	
Output frequency	50/60 Hz ± 3 Hz (auto sense) 50/60 Hz ± 0.1 Hz (user selectable)	
Topology	Double-conversion Online	
Online efficiency at full load (typical)	94%	
Green mode efficiency at full load (typical)	98%	
Output connections	(2) L6-20R (2) L6-30R	(4) L6-20R (2) L6-30R, HW
Input		
Nominal input voltage	208 V (240 V user selectable)	
Input voltage range full load (half load)	160 – 275 V (100 – 275 V)	
Input frequency	40 – 70 Hz auto-selecting	
Input connection	L6-30P	Hardwire 3-wire www(L1+L2+G)
Batteries and runtime		
Battery type	Maintenance-free sealed lead-acid battery with suspended electrolyte, leak proof	
Typical backup time at 1/2 load (min.)	12.6 min.	14.4 min.
Typical backup time at full load (min.)	4.4 min.	5.2 min.
Replacement battery (quantity)	APCRBC140 (1)	APCRBC140 (2)
External battery pack (tower/rack mount)	DLRT192RMBP	DLRT192RMBP2
Communication and management		
Interface ports	RJ-45 with Status LEDs (10/100 Base-T), Serial (RJ45), USB (Type B) and SmartSlot	
Control panel	High Resolution Graphical LCD display	
Emergency power off (EPO)	Yes (NO/NC connections)	
Embedded network management with environmental monitoring	Yes	
Physical		
Rack height	3U	6 U
Maximum height (RM)	5.1 in	10.4 in
Maximum width (RM)	17.0 in	17.0 in
Maximum depth (RM)	28.3 in	28.1 in
Net weight	120.2 lbs	247 lbs
Conformance		
Regulatory	UL-1778, FCC Part 15 Class A, cUL	
Warranty	Three-year warranty (includes battery)	