The Dell Smart-UPS™ Family



DellUPS.com

DELL Technologies

Why do you need Uninterruptible Power Supplies (UPS)?

An Uninterruptible Power Supply (UPS) helps ensure that businesses have power protection for critical applications. A UPS provides protection for these critical systems in the event of a power disruption, whether it's a prolonged outage or just a blip that can nonetheless damage mission critical IT equipment such as server, storage, or networking devices. The UPSs provide backup power that can keep critical equipment up and running during relatively short outages and allow you to safely power them down in the event of a longer outage. UPSs are a critical component of any business continuity plan.

Network Availability
Ability to ride out all disruptions rather than shutdown

Hardware Protection
Avoid loss or corruption caused by power issues

Data Protection
Prevent damage caused by EMI/ RFI interference, and other power issues

Energy Efficiency
Lower operating costs and a smaller carbon footprint

Avoid High Cost of Downtime
+€23,500 on average per hour for small business[1]

+€507,800 on average per hour for medium & large enterprise[1]



[1] Atlassian, "Calculating the Cost of Downtime", https://www.Atlassian.com/incident-management/kpis/cost_of-downtime

The Dell Smart-UPS family

Dell Smart-UPS family provides intelligent and efficient network-grade power protection ideal for servers, point-of-sale (POS), routers, switches, hubs, and other network devices.

Dell Smart-UPS enables IT professionals to operate more effectively by providing versatile power protection while minimizing maintenance and offering flexible remote UPS monitoring and management options across distributed environments.



Ideal Power Protection for:

- Retail
- Medical
- Industrial Manufacturing
- Education

Line Interactive

The DLT Series are line interactive models capable of supporting loads from 1 to 3kVA in a rack/tower convertible form. The models are ideal for a wide range of enterprise equipment across distributed environments including server rooms, network closets, retail POS, edge networks, data storage, and small data centers.

All models are remote management ready via the ethernet port or a network management card.

On-Line

The Dell Smart-UPS On-Line series provide high density, double-conversion on-line power protection for servers, voice/data networks, medical labs, and light industrial application.

Capable of supporting loads from 1 to 8kVA in a rack/tower convertible form, the Dell Smart-UPS On-Line series is available from 2U to 6U. When business-critical systems require runtime in hours, Dell Smart-UPS On-Line can be configured with matching battery packs to comply with aggressive runtime demands. All Dell Smart-UPS On-Line models are remote management ready via network management card.

Ideal power protection for server rooms, data centers and remote edge deployments including medical labs, industrial manufacturing, retail and more.

Smart-UPS Lithium-ion (DLTL)

- Smart-UPS Lithium-ion series provides 2x the life with light weight lithium-ion batteries making the UPS easier to install and reducing the Total Cost of Ownership.

- Designed for IT managers or network administrators looking to lower operating costs by minimizing UPS maintenance and simplifying operations through remote UPS management across distributed environments.



Why consider Smart-UPS Lithium-ion?

2X Longer life expectancy than VRLA batteries

Eliminate the cost of battery replacement and labor

Save on TCO by up to 50%

One-third lighter batteries for easier handling and installation

Five-year factory warranty on the UPS and battery

Battery management system and certifications provide higher level of performance

Greater efficiency in charge and discharge of the batteries



Internal

Software and digital services

Digital transformation continues to shift the way organizations do business relying more on IT infrastructure more than ever. In this connected world, the ability to improve visibility and remotely manage IT assets is more critical than ever to enable uptime, improve operations and increase customer satisfaction.

PowerChute Network Shutdown

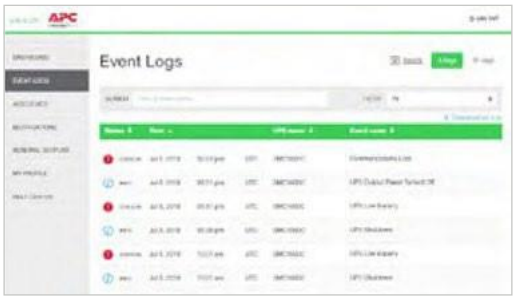
PowerChute™ is a management software jointly developed by Schneider Electric and Dell Technologies. In the event of a power outage, PowerChute can gracefully shut down your Dell VxRail clusters using the VxRail API. The management software minimizes downtime with pre-configurable start-up sequences that power on VMs after critical events have passed.

Learn more about PowerChute Capabilities >

EcoStruxure Ready Smart-UPS Portal

Secure web portal for essential monitoring. Provides visibility to enable proactive decisions and maximize uptime, ideal for small and medium businesses.

- Includes intuitive remote management interface that provides automatic notifications, firmware updates, and advanced support.
- Out-of-box connectivity via the SmartConnect Ethernet Port located on the back of the model



Learn more about Smart-UPS Portal Capabilities >

EcoStruxure IT

Full suite of software and services to monitor, manage, and optimize critical IT infrastructure – on-premise, in the cloud, and at the edge.



Expert: Do it yourself monitoring and management

A secure cloud-based, vendor agnostic, software solution that enables wherever-you-go monitoring and visibility into your IT physical infrastructure.



Asset Advisor: Schneider Electric monitors, you service

A 24/7 cloud-enabled, secure remote monitoring and trouble shooting service of your critical equipment through the Schneider Electric Connected Services Hub

Learn more about EcoStruxure IT Capabilities >

Dell Smart-UPS technical specifications DLT 1.5kVA – 3kVA with SmartConnect technical specifications

UPS Model	DLT1500IC	DLT1500RMI2UC	DLT2200IC	DLT3000RMI2UC
Output				
Output power capacity	1.0kWatts / 1.5kVA	1.0kWatts / 1.5kVA	1.98kWatts / 2.2kVA	2.7kWatts / 3.0kVA
Nominal output voltage	230V			
Output frequency (sync to mains)	50/60 Hz +/- 3 Hz			
Waveform type	Pure Sinewave			
Output connections	(8) IEC 320 C13	(4) IEC 320 C13	(8) IEC320 C13 (1) IEC 320 C19	(8) IEC 320 C13 (1) IEC 320 C19
Switched outlet group	1			
Efficiency at full load	99%			
Input				
Nominal input voltage	230V			
Input frequency	50/60 Hz +/-3 Hz (auto sensing)			
Input connection	IEC 320 C14	IEC 320 C14	BS1363A British, IEC 320 C20, Schuko CEE 7 / EU1-16P	
Input voltage range for main operations	151 – 302 Adjustable, 160 – 286V			
Batteries				
Battery type	VLRA			
Replacement battery	RBC7	APCRBC159	RBC55	RBC43
Runtime estimates				
750 watts	11 min	12 min	35 min	24 min
1500 watts	-	-	14 min	9 min
2250 watts	-	-	-	4.5 min
Full load	6.5 min	7 min	9 min	3 min
Communication and management				
Interface port(s)	Serial (RJ45), USB, and SmartSlot			
SmartSlot™ interface availability	Yes			
Control panel	Alpha-numeric LCD display with LED status indicators; alarm on battery, distinctive low battery alarm and configurable delays			
Physical				
Net HxWxD	219mm x 171mm x 439mm	86mm x 432mm x 477mm	435mm x 197mm x 544mm	86mm x 432mm x 683mm
Rack height	Tower	2U	Tower	2U
Net weight	24.09kg	26.1kg	50.2kg	44.28kg
Shipping weight	27.23kg	31.9kg	61.9kg	51.7kg
Shipping HxWxD	376mm x 595mm x 328mm	251mm x 594mm x 603mm	699mm x 762mm x 381mm	254mm x 980mm x 600mm
Environmental				
Operating environment	0 – 40 °C			
Operating relative humidity	0 – 95%			
Operating elevation	0-3048 meters			
Audible noise at 1m from surface of unit	45 dBA	46 dBA	45 dBA	55 dBA
Conformance				
Regulatory approvals	CE, EAC, RCM, VDE	CE, CSA, EAC, RCM, TÜV, VDE	CE, EAC, RCM, VDE	CE, EAC, IRAM, RCM, VDE
Standard warranty	3 years UPS and batteries			

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

UPS Model	DLRT3000RMXLI	DLRT5KRMXLI	DLRT8KRMXLI
Output			
Output power capacity	2.7kWatts / 3.0kVA	4.5kWatts / 5.0kVA	8.0kWatts / 8.0kVA
Nominal output voltage	230V		
Output frequency (sync to mains)	50/60 Hz +/- 3 Hz		
Waveform type	Double conversion online; sine wave		
Output connections	(2) IEC 60320 C19 (8) IEC 60320 C13	(4) IEC 60320 C19 (6) IEC 60320 C13	(4) IEC 60320 C19 (6) IEC 60320 C13
Switched outlet group	2	2	3
Efficiency at full load	92%	94%	95%
Input			
Nominal input voltage	230V	230V (240V user Selectable)	
Input frequency	40 - 70 Hz auto-sensing		
Input connection	IEC 60320 C20	Hard wire 3-wire (1P + N + E)	Hard wire 3-wire (1P + N + E), Hard wire 5-wire (3P + N + E)
Input voltage range for main operations	100 – 275 Adjustable (half load) V		100 – 275 Adjustable (half load) 173 – 476 Adjustable (half load) V
Batteries			
Battery type	VLRA	VLRA	VLRA
Replacement battery	APCRBC152	APCRBC140	APCRBC140 x2
Extended battery	DLRT96RMBP	DLRT192RMBP	DLRT192RMBP2
Runtime estimates			
1500 watts	10 min	19 min	46 min
3000 watts	-	8 min	21 min
6000 watts	-		8 min
Full load	4 min	4 min	5 min
Communication and management			
Interface port(s)	Serial (RJ45), USB (Type A) and Smart-Slot	RJ-45 with status LEDs (10/100 Base-T), serial (RJ45), USB (Type B), and Smart-Slot	
SmartSlot™ interface availability	Yes		
Control panel	High resolution graphical LCD display		
Physical			
Net HxWxD	85mm x 432mm x 635mm	130mm x 432mm x 719mm	263mm x 432mm x 715mm
Rack height	2U/Tower	3U/Tower	6U/Tower
Net weight	31.3kg	54.43kg	111.82kg
Shipping weight	39.92kg	66.86kg	130kg
Shipping HxWxD	246mm x 599mm x 871mm	330mm x 610mm x 960mm	461mm x 600mm x 1000mm
Environmental			
Operating environment	0 – 40 °C		
Operating relative humidity	0 – 95%		
Operating elevation	0-3048 meters		
Audible noise at 1m from surface of unit	55 dBA		
Conformance			
Regulatory approvals	CE, EAC, RCM, VDE	CE, EAC, IRAM, RCM, VDE	
Standard warranty	3 years UPS and batteries		

Dell Smart-UPS technical specifications lithium-ion

UPS Model	DLTL1500RMI3UC
Output	
Output power capacity	1350 Watts / 1500 VA
Nominal output voltage	230V
Output frequency (sync to mains)	50/60 Hz +/- 3 Hz (auto sensing)
Waveform type	Sine Wave
Output connections	(6) IEC 60320 C13
Switched outlet group	1
Efficiency at full load	99%
Input	
Nominal input voltage	230V
Input frequency	50/60 Hz +/- 3 Hz (auto sensing)
Input connection	IEC 60320 C14
Input voltage range for main operations	160 – 286V
Batteries	
Battery type	Lithium-ion
Replacement battery	N/A
Runtime estimates	
250 Watts	39m
500 Watts	19m
1000 Watts	8m
Full load	5m
Communication and management	
Interface port(s)	Serial (RJ45), SmartSlot, USB, APC SmartConnect (RJ45)
SmartSlot™ interface availability	Yes
Control panel	Multi-function LCD status and control console
Physical	
Net HxW xD	131mm x 438mm x 302mm
Rack height	3U
Net weight	19.5kg
Shipping weight	22.68kg
Shipping HxW xD	279mm x 448mm x 584mm
Environmental	
Operating environment	0 – 40 °C
Operating relative humidity	0 – 95%
Operating elevation	0-3048 meters
Audible noise at 1 meter from surface of unit	< 45.0dBA
Conformance	
Regulatory approvals	CE, CSA, EAC, GS Mark, RCM
Standard warranty	5 Years: UPS and batteries

Internal





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