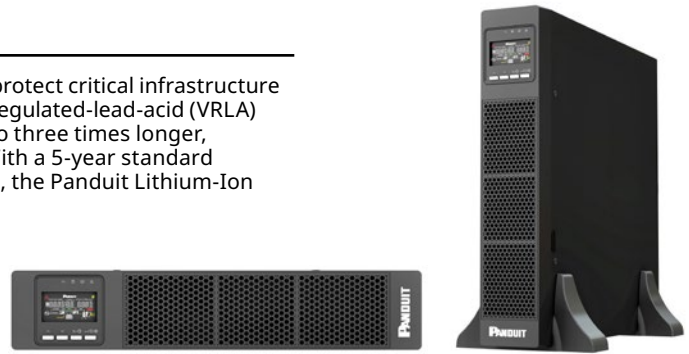


U03N15L UPS System

SPECIFICATIONS

The Panduit SteadySine™ Double Conversion UPS units are ideally suited to protect critical infrastructure in edge or distributed IT applications. When compared to traditional valve-regulated-lead-acid (VRLA) batteries, Lithium-Ion batteries shall offer greater power density, last up to three times longer, recharge quicker, and can endure up to 10-times more discharge cycles. With a 5-year standard warranty, more than double the useful life, and significantly more runtime, the Panduit Lithium-Ion UPS stands at the top of its class.



KEY FEATURES AND BENEFITS

Rack/tower convertible:	Support rack/tower installation with rotatable colorful LCD display
Online double conversion with fully digital control:	Provides stable and clean power with less ripple by filtering noise. Precise voltage regulation ($\pm 1\%$ of nominal voltage).
Wide input voltage range:	Covering more voltage range, applicable for severe situation such as large power grid fluctuation
High efficiency:	Up to 96.5% for online models, reducing the energy waste and the cost of electricity
Energy savings:	High efficiency on Smart ECO mode for online double conversion models
Green design:	RoHS and reach, ENERGY STAR® 2.0 for North America
Output unity power factor:	Means more active power for IT equipment load
Input power factor:	Power factor correction topology on the input side dramatically reducing the total harmonic distortion (THD)
Intelligent battery management:	The most optimal curve with advanced algorithms prolonging the battery life
EPO function (Emergency Power Off):	Allows to quickly and easy shut down the UPS when emergency event occurs
Generator compatible:	Wide input frequency and voltage, supports connecting to generators, ensuring the uninterruptible operation
Hot-swappable battery design:	Can perform the replacement of battery cartridge without powering down the UPS
Cold start function:	Allows to boot up the UPS without mains input but with batteries
Intelligent fan speed regulation:	Automatic adjustment of fan speed due to the ambient temperature and load percentage
Programmable outlet group with smart load shedding:	Loads connected to the programmable group can lose power first, saving more energy and extending the runtime for critical load. Smart Load Shed allows logical group shutdown with time or load
Segment colorful LCD:	Colorful LCD with four buttons and LED indicators, providing intuitive display
Multiple communication interface:	RS232/USB/intelligent slot, realizing communication and monitoring function
Comprehensive protection function:	Short-circuit, overload, overheat, battery overcharge and over discharge, output low voltage, fan fault alarm and RJ45 surge protection
Management card (included with N models*):	Provides harden security remote access via Ethernet Secure SNMPv3 protocol to monitor and manage the UPS, micro-USB for firmware upgrade and RS-485 for connecting environmental and security sensors. Built-in WiFi.
Cloud ready (included with N models*):	Support for technology allowing to easily, securely and quickly connect to DCIM with management, monitoring, control and alerting of power chain, environmental, cooling, security, asset, and connectivity infrastructure assets
mPower management software:	Configure, monitor, and manage the UPS (includes graceful equipment shutdown) remotely via RS-232 or USB or ethernet. Software is available for free download from www.panduit.com/ups

*N model UPS has an N in the 4th digit of the part number, e.g. U03N15L

U03N15L UPS System

PRODUCT SPECIFICATIONS

1-3kVA 208/240V lithium-ion (Double Conversion)		
Model:	U03N15L	
Topology:	Capacity (VA/Watts)	3000 VA/2700 W
	Input:output phase configuration:	1:1
	Double conversion on-line	
	Cooling:	Fan cooled
	Product size W x D x H (in.):	17.3 x 25.2 x 3.4
	Installation type:	Rack / Tower
	Net weight (lbs):	48
Input:	Ship weight (lbs):	63
	Nominal input voltage:	208/240 VAC
	Input voltage range:	Full load: 176-264 VAC Half load: 110-300 VAC
	Input wire:	L1-L2-G
	Input frequency range:	40-70Hz
	Input power factor:	> 0.99 (full load)
	Input connection:	NEMA L6-20P(3m)
Output:	Surge protection:	IEEE/ANSI C62.41 Category B
	Output power:	3000VA/2700W
	Output power factor:	0.9
	Output wave form:	Pure sine wave
	Online efficiency (up to):	92.00%
	Economy mode efficiency:	96.50%
	Output voltage selections (phase voltage):	208/220/230/240 VAC
	Output voltage regulation:	± 1%
	Output voltage THD w/full linear load:	< 3% (full linear load)
	Output voltage THD w/non-linear load:	< 5% (full nonlinear load)
	Output frequency:	50/60 Hz ± 4 Hz (auto sense); 50/60 Hz ± 0.1 Hz (battery mode)
	Over load capability (online mode):	105%-125%: UPS transfer to bypass after 1 minute when the utility is normal; 125%-130%: UPS transfer to bypass after 30 seconds when the utility is normal; >130%: UPS transfer to bypass after 0.2 second when the utility is normal
	Over Load Capability (battery mode):	105%-125%: UPS after 1 minute shut down; 125%-130%: UPS after 10 seconds shut down; >130%: UPS after 0.2 second shut down
	Over Load Capability (bypass mode):	105%-130% :shutdown after 10 mins; 130%-200%: shutdown after 1 mins; >200%: shutdown after 200 ms
	Current crest ratio:	3:1
	Outlets - total:	(2) L6-20R, (1) L6-30R
	Non-programmable receptacles:	(1) L6-30R
	Programmable receptacles:	(2) L6-20R

U03N15L UPS System

PRODUCT SPECIFICATIONS

1-3kVA 120V lithium-ion (Double Conversion)		
Transfer time:	AC mode <-> battery mode:	0 ms typical
	Inverter <-> bypass:	4 ms typical
Bypass:	Bypass voltage range:	176-264 VAC
	Bypass frequency range:	Frequency protection range: +/- 4Hz
	ECO range:	Same as the bypass
Battery:	Battery type:	LiFeP04 (76.8V/9AH)
	Backup time:	9 mins
	Nominal DC voltage:	76.8 VDC
	Charge current (maximum):	2A
	Hot swappable:	Yes
	External battery connector:	NA
Communication and management:	Control panel LCD (English language):	Segment colorful screen
	LCD:	Yes
	RS232 port:	Yes
	USB/HID port:	Yes
	SNMP slot:	Mini SNMP Card slot
Environmental:	Operating temperature:	0 - 40 °C
	Storage temperature:	-25°C - 55°C (without batteries)
	Operating humidity:	0 - 95% (non-condensing)
	Storage humidity:	0 - 95% (non-condensing)
	Operating altitude:	0 - 3000m (1000-3000 derating required)
	Protection class:	IP20
	Audible noise (at 1 meter from surface of unit):	≤50dB
Regulatory Compliance:	Certification and marketing:	cTUVus/UN38.3/ISTA/MSDS
	Enviroment:	ROHS 2.0
	Energy star 2.0:	Yes
	ISTA:	ISTA procedure 2A
	Safety:	UL1778 5th edition CSA C22.2 NO.107.3-14, UL1640, UL1973, NOM
	EMI:	FCC Part 15, Subpart B, Class A ANSI C63.4-2014
Others:	Generator compatible:	Yes
	Short circuit:	Hold whole system
	Overheat:	Line mode: Switch to bypass; backup mode: shut down UPS immediately
	Low battery voltage:	Alarm and switch off
	EPO :	Shut down UPS immediately
	Audible and visual alarms:	Line failure, battery low, overload, system fault

U03N15L UPS System

UPS ACCESSORIES

URC005:	Relay card (MiniAS400) (12 V) (for 1 to 10kVA single phase UPS units)
UNCP01:	Panduit intelligent network management card (iNMC) – See iNMC specs for more details
UTOWFT:	Tower stabilizer brackets
URMKIT2:	Rack mount rail kit for 1-3kVA & 5-20kVA UPS and EBP
U2PTRMT:	2-post mounting bracket
EXTWLIUPS1:	1-3kVA Lithium-Ion UPS 1-year extended warranty, for up to 3 years. The extended warranty includes repair or replacement of UPS and covers your battery
EXTWLBP1:	1-3kVA Lithium-Ion battery pack 1-year extended warranty, for up to 3 years

PRODUCT IMAGE

U03N15L (REAR)



For more information, contact the UPS Technical Support Team at techsupport@panduit.com or the UPS and DCIM System Support Team at systemsupport@panduit.com. Click [here](#) for firmware updates and the user manual.

For downloading the latest firmware as well as downloading a copy of SmartZone mPower, go to panduit.com/en/support/download-center/uninterruptible-power-supply.html.