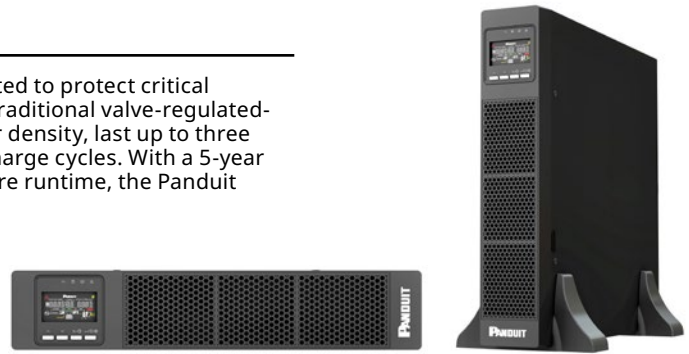


SPECIFICATIONS

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 (EMEA unit only):	Provides stable and clean power with less ripple by filtering noise. Precise voltage regulation ($\pm 1\%$ of nominal voltage).
Wide input voltage range:	(90-150 VAC online models), 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, CE, NOM/UL/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. U01N14L

U02S14L UPS System

PRODUCT SPECIFICATIONS

1-3kVA 120V lithium-ion (Double Conversion)		
Model:	U02S14L	
Output frequency:	Output power capacity:	2000 VA
	Max configurable power (UL derated) (watts):	1800 W
Nominal output voltage:	120 VAC (Default) (100 VAC, 110 VAC, 115 VAC, 125 VAC)	
Output voltage regulation:	1	
Linear load:	<3% (Full Linear load)	
Non-linear load:	<5% (Full Linear load)	
Output frequency:	Line mode:	50 / 60 $\pm$ 4 Hz
	Battery mode:	50 / 60 $\pm$ 0.1 Hz
Output power factor:	0.9	
Load crest factor:	3.1	
Topology:	Double Conversion Online	
Waveform:	Pure Sine Wave	
Overload capability:	Online mode:	105% – 125%: 1 min; 125% – 130%: 30 s; > 130%: 200 ms, transfer to bypass
	Battery mode:	105% – 125%: 1 min; 125% - 130%: 10 minutes > 130%: 200 ms, shut down
Transfer time (typical):	Online mode <-> Battery mode:	0 ms
	Inverter <-> Bypass:	4 ms
Efficiency:	Online mode:	92.00%
	ECO mode:	96.00%
Output connection:	Programmable:	(4) 5-20R
	Non-programmable:	(4) 5-20R
Bypass:	Internal	
Input:	Nominal input voltage:	120 VAC (Default) 100 VAC, 110 VAC, 115 VAC, 125 VAC)
	Input voltage range:	Full load: 90-150 VAC
		Half load: 55-150 VAC
	Input frequency range:	40 - 70 Hz (auto sensing)
	Input connection:	5-20P
	Input power factor:	> 0.99 (full load)
	Cord length:	10 ft. (3m)
	Number of power cords:	1
Battery:	Battery type:	Lithium-Ion (LiFePO4)
	Typical recharge time:	3 hrs. to 90%
	Battery voltage:	76.8 VDC
	Charging current (max.):	2.5 A
	Backup time:	Full load: 9 min.
		Half load: 20 min.
	Expected battery life (years):	8–10 yrs.
Internal replacement cartridge:		ULC272

U02S14L UPS System

PRODUCT SPECIFICATIONS

1-3kVA 120V lithium-ion (Double Conversion)		
Communication and management:	Communication ports:	USB, RS232, intelligent slot
	Pre-installed iNMC card:	No
	Local display/control panel:	Segment colorful screen
	Audible alarm:	Yes
	Emergency power off (EPO):	Yes
Environmental:	Operating temperature:	32°F–104°F (0°C–40°C) (no derating)
	Storage temperature:	-25°C–55°C (without batteries)
	Relative humidity:	0–95% (non-condensing)
	Operating elevation:	Up to 3,000m (derated 10%)
	Online thermal dissipation:	142 BTU/hr.
	Protection class:	IP20
	Noise level:	<50dB at 1m
Conformance:	Safety:	UL1778 5th Edition CSA C22.2 NO.107.3-14, UL1640, UL1973, NOM
	FCC:	FCC Part 15 Subpart B Class A, ANSI C63.4-2014
	Transportation:	ISTA Procedure 2A, UN 38.3
	Surge protection:	IEEE/ANSI C62.41 Category B
Customer service:	Warranty:	5 years (UPS & Battery)
Sustainable offer status:	RoHS:	Compliant
	Energy Star 2.0:	Yes
	Proposition 65 warning:	See Safety Sheet (IM053)
Physical:	Maximum height:	86.5mm (3.42 in.)
	Maximum width:	440mm (17.2 in.)
	Maximum depth:	500mm (19.7 in.)
	Rack height:	2 RU
	Net weight:	37.4 lbs
	Shipping weight:	52 lbs
	Color:	Black

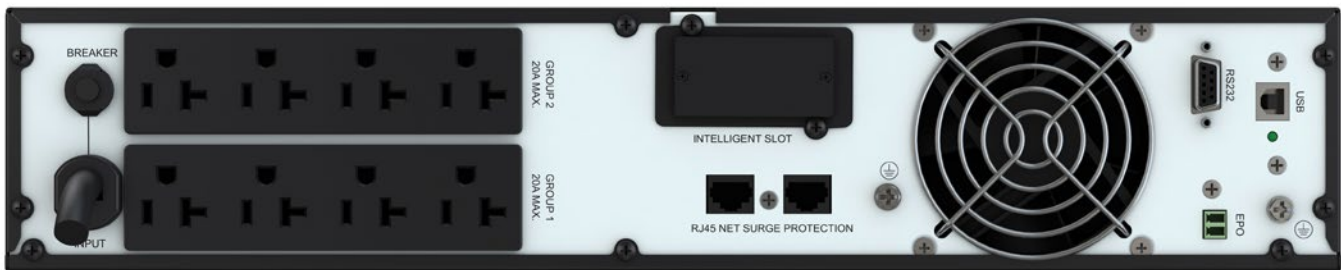
U02S14L UPS System

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
EXTWLIBP1:	1-3kVA Lithium-Ion battery pack 1-year extended warranty, for up to 3 years

PRODUCT IMAGE

U02S14L (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.