# Smart-UPS On-Line Lithium-ion UPS

Industry-leading power factor and Lithium-ion batteries maximizing UPS density
1000VA to 3000VA

## Features

### High power density

More real power in watts, 0.9 pf

### Graphical LCD display

Intuitive interface with multicolor backlight.

### Built-in energy meter

Measures energy use and displays UPS efficiency in operating modes for easy tracking.

### Intelligent battery management system

Measures energy use and displays UPS efficiency in operating modes for easy tracking.

### Lithium-ion battery pack

Longer battery life and performance at higher temperatures than VRLA. The flexibility to add up to 10 additional battery packs to expand runtime.

### Operate without battery

Immediately protect equipment when power returns after a complete discharge of the battery.

# Smart-UPS On-Line Lithium-ion UPS

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

SRT1500RMXLI



## Features

### Optional network management card with environmental monitoring

Remote monitoring and control of the UPS and the environment via Ethernet connection.

### Switched outlet group

Control a group of output load receptacles independent from the main UPS:

- Cycling the entire UPS
- Sequenced turn ON/OFF
- Shedding of noncritical loads based on battery time, runtime remaining and overload
- Scheduled time OFF to conserve energy
- Rebooting hung device without cycling the entire UPS

### Emergency power off

Shutoff UPS remotely in the event of a fire or other emergency. The UPS can accept normally open (NO) or normally closed (NC) contacts.

### Flash upgradeable firmware

Allows for field updates of firmware via communication ports or Network Management Card (NMC).

### Built-in automatic and manual bypass

Ensures seamless power to the load even when UPS functional failure is detected.

### Communication ports

Options of Serial, USB, Ethernet and SmartSlot™ for network accessory cards.

### Communication protocols

Choose from Modbus serial, USB PowerSummary, HTTP, SNMP and Telnet.

# Smart-UPS On-Line display

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





**Backlit screens:**

**Amber:** Indicates a condition that requires attention



**Backlit screens:**

**Red:** Indicates a UPS visible alarm that requires immediate attention

## Features

### LCD display screen

Clear, consistent and detailed information in your choice of basic or advanced menus.

### Power status

- Operating mode and efficiency mode
- Load VA/watts/amps
- Input/output voltage and frequency
- Battery capacity and runtime
- Energy meter

### 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

# Smart-UPS On-Line Lithium-ion Battery Pack

Long life, lighter weight, higher performance, high density

## Features

### Longer lifecycle

Double the life expectancy vs. sealed lead acid batteries

### Lighter weight

1/3 lighter than sealed lead acid battery pack

### High density

1U rack height allows more extended run capability in a smaller footprint.

### Intelligent battery management system

Monitoring at the cell level to manage voltage helps Lithium-ion batteries provide a higher level of performance.

### Certified Lithium-ion batteries

IEC62133, UL1973 (Sec 5.7 & 5.8), UN38.3

# Product family

## SKU technical specifications

| | SRTL1000RMXLI SRTL1000RMXLI-NC* | SRTL1500RMXLI SRTL1500RMXLI-NC* | SRTL2200RMXLI SRTL2200RMXLI-NC* | SRTL3000RMXLI SRTL3000RMXLI-NC* |
|---|---|---|---|---|
| **Topology** | Double Conversion On-Line | | | |
| **Output** | | | | |
| Output power capacity | 900 Watts / 1000 VA | 1350 Watts / 1500 VA | 1980 Watts / 2200 VA | 2700 Watts / 3000 VA |
| Nominal output voltage | 230V | | | |
| Output voltage distortion | Less than 1% at linear load (Full) | | | |
| Output frequency (sync to mains) | 50/60 Hz +/- 3 Hz (auto sensing) | | | |
| Waveform type | Pure Sine Wave | | | |
| Output connections | (8) IEC320 C13 | | (6) IEC320 C13, (2) IEC320 C19 | |
| Switched outlet groups | Yes | | | |
| Efficiency at full load | >95% | >96% | >95% | >96% |
| **Input** | | | | |
| Nominal input voltage | 230V | | | |
| Input frequency | 50/60 Hz +/- 3 Hz (auto sensing) | | | |
| Input connections | IEC-60320 C14 | | IEC-60320 C20 | |
| Input voltage range for main operations | 160-275 VAC (±5V) (10V minimum hysteresis, ±1.5% max measurement accuracy) | | 160-275V (10V minimum hysteresis, ±1.5% max measurement accuracy) | |
| **Batteries and runtime** | | | | |
| Battery type | Lithium-ion NMC chemistry (LiNiMnCoO2) | | | |
| Runtime | 41 mins 50% load, 31.6 mins 100% load | 31.8 mins 50% load, 21.8 mins 100% load | 28 mins 50% load, 13 mins 100% load | 21 mins 50% load, 9 mins 100% load |
| Additional external battery packs | up to 5 | | up to 10 | |
| **Communications and management** | | | | |
| Interface port(s) | Serial (RJ45), Smart-Slot, USB | | | |
| Available SmartSlot interface quantity | 1 | | | |
| Control panel | Multi-function LCD status and control console | | | |
| Audible alarms | Audible and visible alarms prioritized by severity | | | |
| Emergency Power Off (EPO) | Yes | | | |
| *Preinstalled Network Management Card | Included with "NC" suffix SKU | | | |
| **Physical** | | | | |
| UPS | | | | |
| Net HxWxD | 85mm x 432mm x 590mm | | 85mm x 432mm x 639mm | |
| Rack height | 2U | | 2U | |
| Net weight | 13.7kg | | 17.5kg | |
| Shipping weight | 21kg | | 25kg | |
| Shipping HxWxD | 245mm x 600mm x 810mm | | 245mm x 600mm x 870mm | |
| Color | Black, aluminum bezel | | | |
| Lithium-ion External Battery Pack | | | | |
| Net HxWxD | 43mm x 432mm x 521mm | | 43mm x 432mm x 521mm | |
| Rack height | 1U | | 1U | |
| Net weight | 13kg | | 13kg | |
| Shipping weight | 16.4kg | | 16.4kg | |
| Shipping HxWxD | 200mm x 600mm x 850mm | | 200mm x 600mm x 850mm | |
| **Environmental** | | | | |
| Operating environment | 32 – 104 °F (0 – 40 °C) | | | |
| Operating relative humidity | 0 – 95% | | | |
| Operating elevation | 0-10000 feet (0-3000 meters) | | | |
| Storage temperature | -15 to 45 °C (-30 to 70°C without batteries) | | | |
| Storage relative humidity | 0 – 95% | | | |
| Storage elevation | 0-50000 feet (0-15000 meters) | | | |
| Audible noise at 1 meter from surface of unit | 50.0dBA | | | |
| **Conformance** | | | | |
| Regulatory approvals | IEC62133, UL1973 (Sec 5.7 & 5.8), UN38.3, IEC 62040-1, IEC61000-2, CE, CE Mark, EAC, RCM, VDE | | | |
| Standard warranty | Five years on UPS and five years on battery pack repair or replace | | | |