Easy UPS On-Line Lithium-ion 230V

APC™ Easy UPS On-Line Lithium-ion provides clean power to essential and sensitive devices in unstable power conditions while reducing maintenance costs and complexity.

Easy UPS On-Line Lithium-ion has longer battery life that lowers maintenance costs and Total Cost of Ownership (TCO) compared to UPS with VRLA batteries. It allows IT professionals to focus on the core mission of helping organizations navigate through the landscape of modern technologies. The rack/tower convertible design provides flexibility to address power challenges at the edge.

Delivering quality power to millions of IT professionals around the world That's Certainty in a Connected World.

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Compact Lithium-ion On-Line UPS that lowers TCO and prepares you for prolonged outages

172mm/4U 616mm 438 mm

Save up to 65% on Total Cost of Ownership

Lower Total Cost of Ownership (TCO) by minimizing battery replacement and labor costs during the life of the UPS.

*SRVL1KRIL/ SRVL1KRILRK

Peace of mind with Lithium-ion UPS

Easy UPS On-Line Lithium-ion has a 2X to 3X battery life and comes with a 5-year warranty on the Lithium-ion battery and a 3-year warranty on the UPS. Saves time and hassle from service dispatches compared to VRLA battery replacements.

Extended Runtime

More than 6 hours* of extended runtime with up to 3 external lithium-ion battery packs and 2X to 3X faster recharge time compared to VRLA.

*SRVL1KRIL/ SRVL1KRILRK

Versatile design with Rack/ Tower convertible

Provides flexibility to change from a rack to tower installation using default accessories.
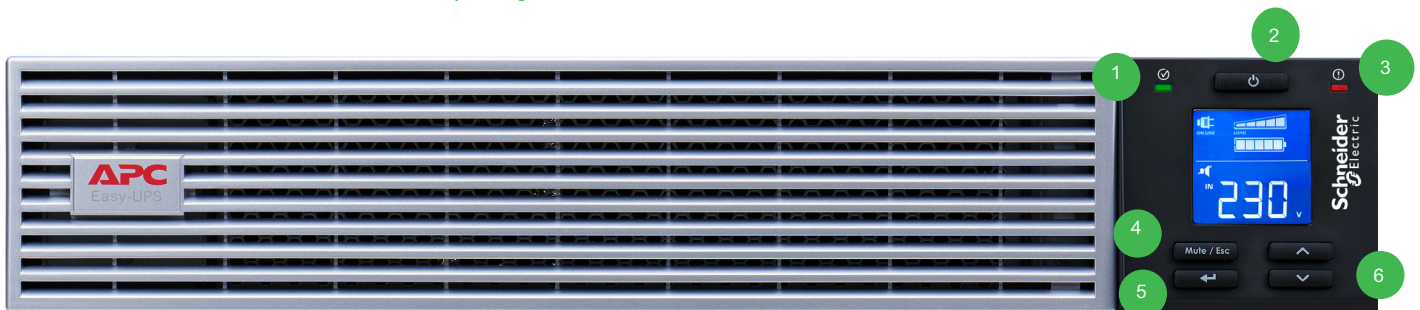
Simplified Monitoring and Management

PowerChute™ Business Edition software provides graceful unattended shutdown of servers and workstations using serial or USB cables and helps prevent data corruption and costly equipment damage.

Optional Network Management Card (part number AP9544 sold separately) supports network-based monitoring of Easy UPS On-line Lithium-ion.
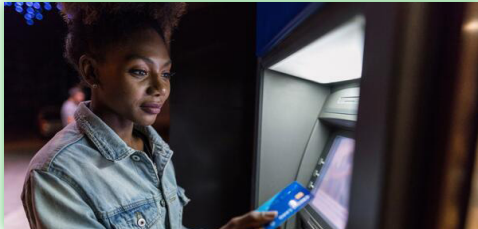
90°Rotatable LCD Display

LCD Display

1. On/Off Status: indicates power is ON
2. On/Off Button: press to turn ON or OFF
3. Alert LED: flashes red when UPS has a notification or is in steady state when there is an alert.
4. Mute/Esc button: Mutes audible alarm and serves as the Escape key when in the sub menus display.
5. Enter key: press to enter the display menus and choose options.
6. UP/Down Arrows: Navigate keys through the display menus

Easy UPS On-Line Lithium-ion applications

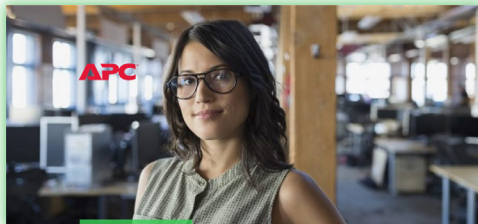## Typical Applications

Surveillance

ATMs

Point of Sale

Healthcare IT

Co-working space

Micro Data Center and Server Room

Standard Features

Double-conversion on-line
Ensures clean, reliable power supply to essential loads from brownouts, line noise, voltage transients and power outages.

High Power Factor
More real output power in watts 0.9 PF (1, 2, 3 kVA).

High Efficiency
Up to 90% efficiency in on-line double conversion mode and up to 96% in ECO mode saves utility and cooling costs without compromising performance or reliability.

Emergency Power Off (EPO)
Remote UPS shutoff in the event of emergency. The UPS can accept normally closed (NC) contacts.

High Density, Compact, and Light Weight
Lithium-ion battery pack in 2U rack height allows longer runtime, lighter and saves space vs. VRLA battery pack.

LCD Display
Intuitive interface provides detailed and accurate information about UPS status with ability to configure locally.

3-year warranty on UPS , 5-year warranty on lithium-ion battery
Comprehensive warranty for electronics and battery functionality provides peace of mind. In an unlikely event of a detected fault, your product will be repaired or replaced.

Easy UPS On-Line Lithium-ion Accessories

External Battery Pack

SRVL48RMBP2U

- **SRVL48RMBP2U**: 2400Wh external battery pack for SRVL 1/2/3 kVA extended runtime model support only.

Rail Kit

SRVRK1

- **SRVRK1**: 700 mm depth rail kit.Can support rack mount installation for standard 19 inch rack equipment with maximum weight of 60 kgs.
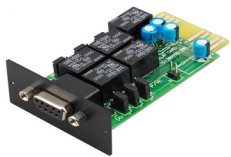
  Note: One set SRVRK1 is for 2U UPS or 2U External Battery Pack support only.

UPS Management Card

AP9544

- **AP9544**: Network management card for remote monitoring of UPS.

VGL9901I

- **VGL9901I**: Dry contact card to monitor external triggers and initiate actions.

SRVSMB001

- **SRVSMB001**: Modbus card for communication with PCs through MODBUS protocol.

Runtime estimation at half and full load for extended runtime models (minutes)

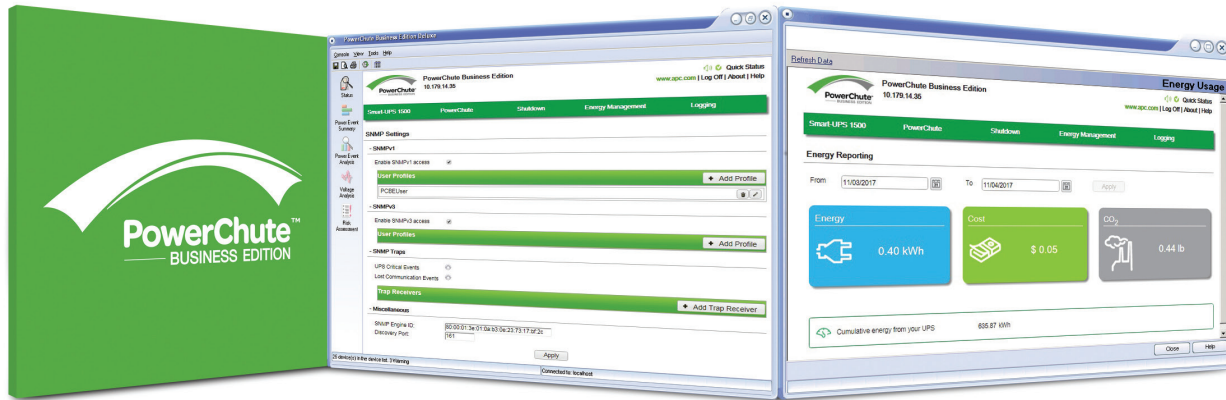|	SRVL1KRIL SRVL1KRILRK	SRVL2KRIL SRVL2KRILRK	SRVL3KRIL SRVL3KRILRK
UPS at Half / Full Load	450W / 900W	900W / 1800W	1350W / 2700W
SRVLxKRILRK	4hrs 20mins / 2hrs 15 mins	2hrs 16mins / 1hr	1hr 25mins / 40mins
SRVLxKRILRK + (1) SRVL48RMBP2U	8hrs 40mins / 4hrs 30mins	4hrs 32mins /2hrs	2hrs 50mins / 1hr 20mins
SRVLxKRILRK + (2) SRVL48RMBP2U	13hrs / 6hrs 45mins	6hrs 48mins / 3hrs	4hrs 15mins / 2hrs

*Max of two additional battery packs (SRVL48RMBP2U) can be connected

* Runtime in the table are approximate only. All measurements taken with new, fully charged batteries, at typical environmental conditions, with no electrical input and balanced resistive load (PF = 1.0) output

Easy UPS Management Solutions

PowerChute™ Business Edition

For Graceful Unattended Shutdown of Servers and Workstations

PowerChute™ Business Edition features:

Convenience
- Initial Set-Up Wizard
- SMTP Authentication
- Password Security
- Secure Communication

Manageability
- Notification
- Data Logging
- Event Logging
- Run Command File
- Smart Battery Management

Protection
- Load Shedding
- Scheduling Capability
- Operating System Shutdown
- Sequenced Network Shutdown and Reboot
- Outlet Group Control

Compatibility
- System Event Log Integration
- Enterprise Management System Compatible
- PowerChute™ Business Edition OS Compatibility

Energy Management
- Configurable energy costs
- CO2 emissions reporting
- Energy usage reporting

Graceful unattended shutdown of servers and workstations using serial or USB cables helps prevent data corruption and costly equipment damage.
Learn More on www.apc.com/pcbe

Optional Easy UPS Network Management Card (AP9544)

Easy UPS Network Management Card (AP9544) allows for secure remote monitoring of an individual UPS via web browser or command line interface.

Key Features

Enhanced Security
- Secure Boot with Root of Trust
- Increased password security with stricter credentials and force password policy configurations
- 3-tier user access (read only, device and administrator)
- Secure access SSH, HTTPS (TLS 1.2)
- Secure file transfer (SCP)
- 2048-bit encryption key support (SSH/web)

Enhanced Performance
- 1 Gigabit Ethernet connection (RJ-45 10/100/1000 Base-T)
- Simultaneous multiple user login: Supports multiple sessions

Enhanced User Experience and Troubleshooting
- Pre-loaded multiple language support
- Micro USB based console

Easy UPS On-Line Lithium-ion Extended Runtime Models
SKU technical specifications

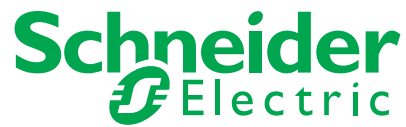|	SRVL1KRIL SRVL1KRILRK	SRVL2KRIL SRVL2KRILRK	SRVL3KRIL SRVL3KRILRK
Power rating	1000VA/900W	2000VA/1800W	3000VA/2700W
Input			
Nominal input voltage	230V		
Input voltage range at Full Load (60%)	160-300V (110-300V)		
Input frequency	40-70 Hz		
Input connection	IEC320 C14	IEC320 C20	
Output			
Nominal output voltage	230V (220V, 240V user selectable)		
Output frequency	50/60 Hz (+/- 3Hz)		
Topology	Double-conversion online		
Waveform type	Pure sinewave		
Efficiency: Online mode (typical)	Up to 90%		
Efficiency: ECO mode (typical)	Up to 95%	Up to 96%	Up to 96%
Output Connections	(6)IEC320 C13	(6)IEC320 C13	(6)IEC320 C13 (1)IEC320 C19
Battery and Runtime*			
Battery type	Lithium-ion		
Battery capacity	2400Wh		
Battery voltage	48V		
Typical recharge time	8.5 hours to recover 90% of capacity	4.8 hours to recover 90% of capacity	4.8 hours to recover 90% of capacity
Runtime at Half Load (mins)**	260	136	85
Runtime at Full Load (mins)**	135	60	40
Maximum battery pack support	3		
Communications and management			
Interface ports	Serial RS-232, USB (type B), Intelligent Card Slot RS485(RJ45) between UPS and Battery Pack; CANbus(RJ11) between multiple battery packs		
Control panel	LED indicators, multi-function LCD, status and display console		
Emergency power off (EPO)	Yes (NC contacts)		
Physical			
Rack height (U) (power module + battery pack)	4U		
Dimensions W x H x D (mm)(power module)	438 x 86 x 452	438 x 86 x 502	438 x 86 x 502
Dimensions W x H x D (mm)(battery pack)	438 x 86 x 616		
Net weight (kg)(power module)	8	8.8	10
Net weight (kg)(battery pack)	28.3		
Environment			
Operating temperature	0°C to 40°C		
Relative humidity	0 to 95% non-condensing		
Operating elevation	0 to 2,000m at 100% load (2,000m to 3,000m: The load capacity reduces @1% for every 100 m increase in elevation)		
Audible noise***	Less than 50dB		
Protection class	IP20		
Conformance			
Regulatory approvals	UPS: IEC 62040-1, CB, CE, UKCA, EAC, RCM, TISI, KC, UN38.3, IEC 62040-2 / EN IEC 62040-2 Battery Pack: IEC 62040-1, IEC 62619, UN 38.3, CE, UKCA Electronic circuits and software controls in the battery pack are evaluated as per IEC 60730-1		
Standard warranty	3 years UPS, 5 years battery repair or replace		

All specifications are subject to change without prior notice.
* Runtime in the table are approximate only. All measurements taken with new, fully charged batteries, at typical environmental conditions, with no electrical input and balanced resistive load (PF = 1.0) output
**Runtime calculation is with one external battery pack only.
***100% load with battery fully charged at 25 °C

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