

Business continuity made easy





# APC in Numbers



APC is #1 in power protection market share



96% of Fortune 500 companies use APC products



+100 million

Single-phase UPS installed worldwide



Over 75% of IT managers use APC because of durability, reliability, and trust

# **General Contents**

### **APC Easy UPS Family**

W	Why do you need Uninterruptible Power Supply?				
W	hat is Easy UPS?	. 2			
	Easy UPS BV Line Interactive				
	Overview	3			
	Key Features	3			
	Reference Numbers	4			
	Easy UPS BVX Line Interactive				
	Overview	5			
	Key Features	5			
	Reference Numbers	6			
	Easy UPS SMV Line Interactive				
	Overview	7			
	Key Features	7			
	Reference Numbers	8			
	Easy UPS SRV On-Line				
	Overview	9			
	Key Features	9			
	Reference Numbers	. 10			
	Easy UPS SRVL Lithium-ion On-Line				
	Key Features				
	Reference Numbers	. 12			
	Easy UPS Accessories				
	Management Cards	. 13			
	External Battery Packs	. 13			
	Rail Kits				
	Replacement Battery Cartridges	. 13			
	Easy UPS Management Solutions				
	PowerChute™ Serial Shutdown	. 14			
	Optional Network Management Card	. 14			
F	nev IIPS Sarias Comparison	15			

# Why do you need Uninterruptible Power Supply (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 sensitive machines such as computers and cash registers.

The UPS helps provide backup power that can keep critical equipment up and running during relatively short outages. It allows you to safely power them down in the event of a longer outage and 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

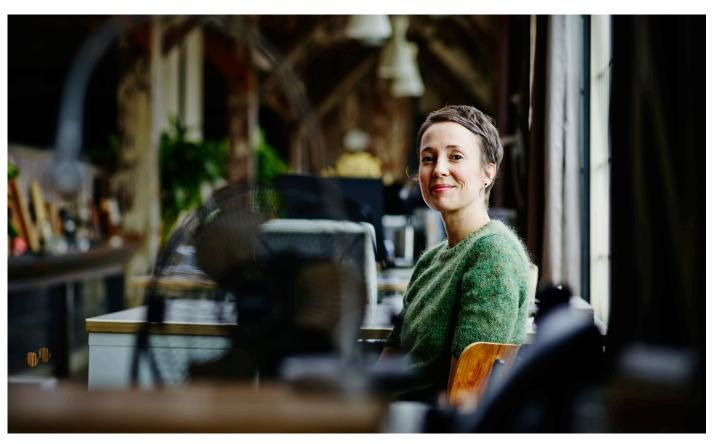
### Avoid High Cost of Downtime



+\$25,000 on average per hour for small business

+\$540,000 on average per hour for medium & large enterprise

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



## What is Easy UPS?

APC Easy UPS are quality products for price-conscious customers, helping to provide power protection and backup in unstable power conditions, and consistent and reliable connectivity at critical moments.

### That's Certainty in a Connected World.

The key benefits of owning an APC Easy UPS:

- Provide real output power to support equipment during outages
- Pure sine wave output (SMV, SRV, and SRVL models) provides clean power to sensitive equipments
- · Automatic Voltage Regulation (AVR) corrects utility voltage dips and surges
- · Peace of mind from the trusted brand in power protection

### Why consider APC Easy UPS?

APC Easy UPS tailors to home and business users challenges such as:



Unpredictable power disturbances and harsh power conditions



Limited budget for IT physical infrastructure



Lack of qualified on-site personnel



Expensive installation and maintenance

### **APC Easy UPS Family**



**Application Size** 

<sup>\*</sup>Benefits may vary by region, utility, and product. Contact your local channel marketing lead or account manager for more information.

### **APC Easy UPS BV, 1 Phase, Line Interactive**

This cost-effective power protection BV series is designed to meet essential power protection needs in unstable power conditions for our home and small office customers. Easy UPS BV enables manual disconnection of battery during power disturbances and hence helps to provide an extra layer of protection against overload and short circuit conditions.



Form Factor: Floor

• Type of Outlets: IEC, SCHUKO, Universal, NEMA, Australia, Argentina

Output VA rating: 500/650/800/1000 VA

Output Waveform: Stepped Sine Wave

### **Key Features**

### Automatic Voltage Regulation (AVR)

 Corrects voltage dips and surges to specified levels, saves battery life by correcting sustained voltage fluctuations without losing battery power

### Easy-to-Use

· One step battery connector

### Battery Self Diagnosis

Alerts users with the appropriate alarm for battery conditions

#### **Cold Start Function**

 Allows you to reboot the UPS even when there is no utility power available

#### Intelligent Off-mode Charging

Continues to charge the battery even when the UPS is off

### Reliable Surge Protection

 Helps to protect your valuable electronic devices against damaging lightning, surges and spikes.

### Wide Outlet Spacing

 Wide outlet spacing to connect bulky transformers without blocking other outlets

### Compact Size

· Accommodates installation in a variety of environments

#### 2-Year Warranty

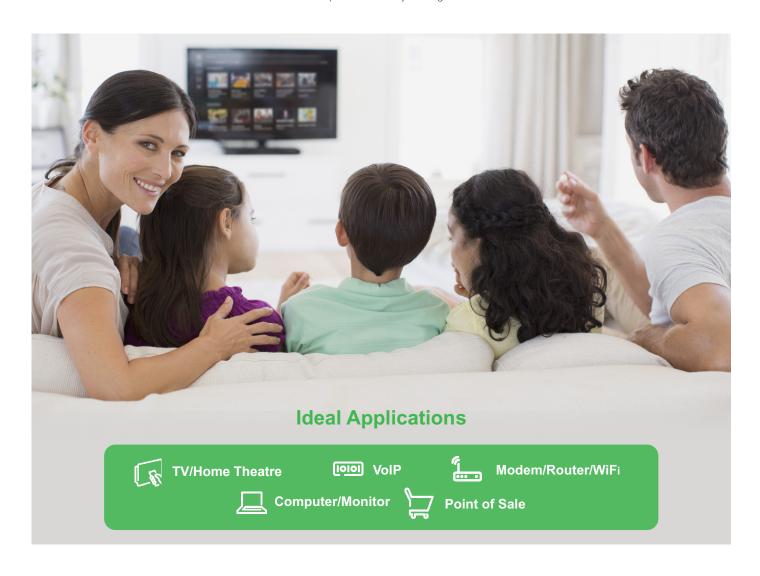
- · Peace of mind with two-year warranty on the UPS
- Customer service via phone support, online forums, and live chats with support agents

### **APC Easy UPS BV, 1 Phase, Line Interactive**



Easy UPS	Reference	Compatible RBC*
BV 500 VA 120 V	BV500	-
BV 650 VA 120 V	BV650	APCRBCV210
BV 800 VA 120 V	BV800	APCRBC110
BV 1000 VA 120 V	BV1000	RBC17
BV 500 VA 230 V	BV500I	-
BV 650 VA 230 V	BV650I	APCRBCV210
BV 800 VA 230 V	BV800I	APCRBC110
BV 1000 VA 230 V	BV1000I	RBC17

<sup>\*</sup>Replacement Battery Cartridge



### **APC Easy UPS BVX, 1 Phase, Line Interactive**

This cost-effective BVX series is designed to help provide power protection and backup solutions for our home and small office customers in unstable power conditions. The small footprint of compact tower BVX UPS makes it ideal for home and small office spaces. With BVX Easy UPS, you can have a reliable uptime, clean power, stable network connection and a power protection solution.



- Form Factor: Tower
- Type of Outlets: IEC, SCHUKO, Universal, NEMA Universal, NEMA, Argentina, India
- Output VA rating: 700/900/1200/1600/ 2200 VA
- Output Waveform: Stepped Sine Wave

### **Key Features**

### Comprehensive Power Capacity Range

 Choose an UPS aligned with your specific application and runtime needs

### **Auto-Restart Function**

• Enables the UPS to restart automatically when mains recovers after a complete battery discharge

### Functional Ease-of-use

 Front panel LED green lights signify functional status (low battery, on battery)

### Audible Alarms

Provides notification of changing utility power and UPS power conditions

### Quick Mute

 Temporarily mute audible alarms such as On Battery with a short press of the Power button. A short double beep will confirm that Quick Mute has been activated

### USB Charging Port (only in BVX700LUI)

· Convenient smart phone and tablet charging

#### Value Added ID Outlook

 Stylish ID outlook is a value for home and light users that could use UPS as one of interior design with power protection attribute

### Automatic Voltage Regulation (AVR)

 Corrects voltage dips and surges to specified levels, saves battery life by correcting sustained voltage fluctuations without losing battery power

### 2-year Warranty

Two-year warranty repair or replace for peace of mind and protection from failure

### LED Brightness Setting

 Control the brightness of LED with a short press of the Power button during On-Line mode

### **APC Easy UPS BVX, 1 Phase, Line Interactive**

### Reference Numbers



Easy UPS	Reference	Compatible RBC*
BVX 700 VA 230 V	BVX700LI	APCRBC110
BVX 700 VA 230 V (with USB port)	BVX700LUI	APCRBC110
BVX 900 VA 230 V	BVX900LI	RBC17
BVX 1200 VA 230 V	BVX1200LI	APCRBC176
BVX 1600 VA 230 V	BVX1600LI	APCRBC176
BVX 2200 VA 230 V	BVX2200LI	APCRBC177

<sup>\*</sup>Replacement Battery Cartridge



### **Ideal Applications**



TV/Home Theatre



Point of Sale





Computer/Monitor Projector





Modem/Router/WiFi



Gaming Console



Nideo Camera



Home Security/Surveillance

### **APC Easy UPS SMV, 1 Phase, Line Interactive**

This cost-effective, high quality power protection SMV series is designed for the essential power protection needs even in the most unstable power conditions for IT professionals in small and medium businesses. SMV Easy UPS is a versatile line interactive tower UPS developed to handle a wide voltage range and inconsistent power conditions with pure sine wave output on battery backup power.



Form Factor: Tower

• Type of Outlets: IEC, SCHUKO, Universal

• Output VA rating: 750/1000/1500/2000 VA,

3 kVA

• Output Waveform: Pure Sine Wave

### **Key Features**

#### **Power Factor**

· More real output power with 0.7Pf

### Pure Sine Wave

 A pure form of sine wave designed to emulate utility power, will support your device upon battery backup

### Easy-to-use

- One step battery connector
- · A convenient way to disconnect the battery for transport

### Rugged Metal Construction

 Built with resilient sheet metal that rigidly holds and protects critical electrical components

#### **Dry Contact Port**

• Provides dry contact signals for remote UPS monitoring.

### **Communication Ports**

USB and serial ports for UPS management

#### Generous Number of Outlets

 6 battery backup and surge protected outlets are included across all SMV Easy UPS

### Automatic Voltage Regulation (AVR)

 Automatically steps up low voltage and steps down high voltage to levels that are suitable for your equipment

### Safety Agency Approved

 Ensures the product has been tested and approved to work safely with the connected service provider equipment and within the specified environment

### LCD Display

Intuitive interface provides detailed and accurate information at a glance

### Battery Self Diagnosis

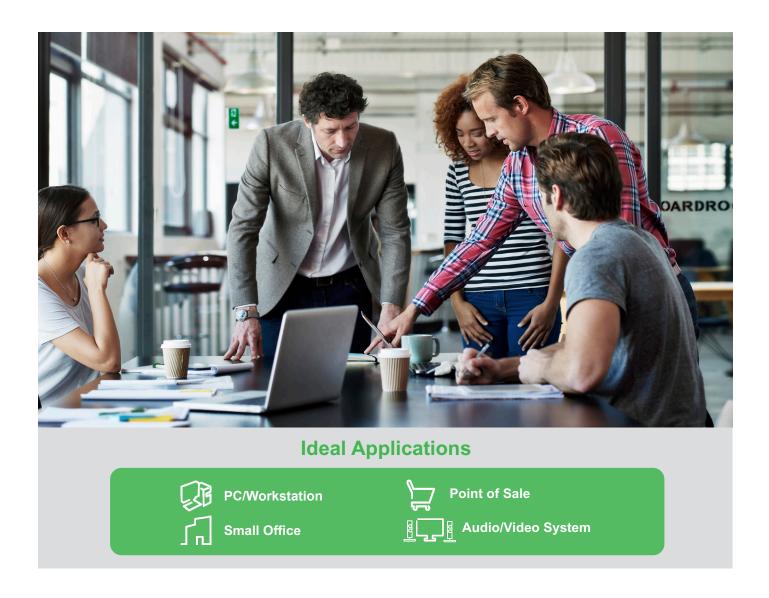
Alerts users with the appropriate alarm for battery conditions

### **APC Easy UPS SMV, 1 Phase, Line Interactive**



Easy UPS	Reference	Compatible RBC*	
	W/O Dry Contact	W/ Dry Contact	
SMV 2000 VA 120 V	SMV2000A	-	APCRBCV208
SMV 3 kVA 120 V	SMV3000A	-	APCRBCV209
SMV 750 VA 230 V	SMV750I	SMV750CAI	APCRBCV206
SMV 1000 VA 230 V	SMV1000I	SMV1000CAI	APCRBCV206
SMV 1500 VA 230 V	SMV1500AI	SMV1500CAI	APCRBCV207
SMV 2000 VA 230 V	SMV2000AI	SMV2000CAI	APCRBCV208
SMV 3 kVA 230 V	SMV3000AI	SMV3000CAI	APCRBCV209

<sup>\*</sup>Replacement Battery Cartridge



## Easy UPS On-Line Series

### APC Easy UPS SRV, 1 Phase, On-Line

This high quality, cost-competitive SRV series is designed to handle a wide voltage range and inconsistent power conditions for IT professionals in small and medium businesses. SRV double-conversion on-line Easy UPS helps to provide basic power protection, enabling consistent and reliable connectivity.



- Form Factor: Tower, Rackmount
- Models: Standard (Built-in batteries), Extended (Capability to add external battery packs)
- Type of Outlets: IEC
- Output VA rating: 1000/2000 VA, 3/5/6/10/15/20 kVA
- Output Waveform: Pure Sine Wave

### **Key Features**

### High Efficiency

- Up to 94% efficiency in on-line mode and 91% in battery mode – from 5 kVA onwards
- Up to 88% ~ 90% efficiency in on-line mode and 93% ~ 94% in ECO mode – 1000/2000/3000 VA

### ECO Mode/Green Mode

 An energy saving mode where the input voltage regulation range can be set/modified through the LCD

### **High Power Factor**

 More real output power in watts: 0.8 PF/0.9 PF for 1000/2000/3000 VA, and Unity PF for 5 – 20 kVA

### True Double-conversion

 Provides tight voltage, frequency regulation, and zero transfer time for reactive loads (machinery, lab equipment, etc.)

### Emergency Power Off (EPO)

 Immediately remove power to all connected equipment in the event of emergency (applicable to standard and extended runtime from 5 kVA onwards)

#### Wide Input Voltage Range

- 60% Load: 110 300 Vac
- Allow for unstable power environment

### Simplified Monitoring and Management

- USB and serial ports for UPS management with PowerChute Serial Shutdown software
- Optional Network Management Card supports networkbased monitoring

### Intelligent Battery Management

 Maximises battery performance, life, and reliability through intelligent precision temperature compensated charging

### Over Voltage Cut-off Device (OVCD)

 Under special application with high voltage condition, OVCD protection will prevent the damage of UPS components and extend the lifespan of the UPS

### LCD/LED Display

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

### Safety Agency Approved

 Ensures the product has been tested and approved to work safely with the connected service provider equipment and within the specified environment

#### Built-in Automatic Bypass

 Supplies utility power to the connected loads in the event of a UPS power overload or fault

# Easy UPS On-Line Series

### **APC Easy UPS SRV, 1 Phase, On-Line**



SRV1KRA



SRV2KRIL = SRVPM2KRIL + SRV72RLBP-9A



SRV1KIL = SRVPM1KIL + SRV36BP-9A

Standard Easy UPS (W/ Intelligent Slot)	Tower Model	Compatible RBC*	Rackmount Model	Compatible RBC*
SRV 1000 VA 120 V	SRV1KA	APCRBCV203	SRV1KRA	APCRBCV200
SRV 2000 VA 120 V	SRV2KA	APCRBCV204	SRV2KRA	APCRBCV201
SRV 3 kVA 120 V	SRV3KA	APCRBCV205	SRV3KRA	APCRBCV202
SRV 1000 VA 230 V	SRV1KI	APCRBCV203	SRV1KRI	APCRBCV200
SRV 2000 VA 230 V	SRV2KI	APCRBCV204	SRV2KRI	APCRBCV201
SRV 3 kVA 230 V	SRV3KI	APCRBCV205	SRV3KRI	APCRBCV202
SRV 5 kVA 230 V	-	-	SRV5KRIRK	-
SRV 6 kVA 230 V	SRV6KI	-	SRV6KRI	-
SRV 10 kVA 230 V	SRV10KI	-	SRV10KRI	-

<sup>\*</sup>Replacement Battery Cartridge

Extended Easy UPS (W/ Intelligent Slot)	Tower Model	Compatible External BP*	Rackmount Model	Compatible External BP*
SRV 1000 VA 230 V	SRV1KIL	SRV36BP-9A	SRV1KRIL	SRV36RLBP-9A
SRV 2000 VA 230 V	SRV2KIL	SRV72BP-9A	SRV2KRIL	SRV72RLBP-9A
SRV 3 kVA 230 V	SRV3KIL	SRV72BP-9A	SRV3KRIL	SRV72RLBP-9A
SRV 5 kVA 230 V	-	-	SRV5KRILRK	SRV240RLBP-9A
SRV 6 kVA 230 V	SRV6KIL	SRV240BP-9A	SRV6KRIL	SRV240RLBP-9A
SRV 10 kVA 230 V	SRV10KIL	SRV240BP-9A	SRV10KRIL	SRV240RLBP-9A
SRV 15 kVA 230 V	-	-	SRV15KRIL	SRV120RLBP2-9A
SRV 20 kVA 230 V	-	-	SRV20KRIL	SRV120RLBP2-9A

<sup>\*</sup>Battery Pack



# Easy UPS On-Line Lithium-ion Series

### APC Easy UPS SRVL, 1 Phase, On-Line Lithium-ion

This Lithium-ion, compact SRVL series helps to provide clean power to essential and sensitive devices in unstable power conditions while reducing maintenance cost and complexity. The SRVL UPS enables IT professionals to focus on mission helping organizations navigate through the landscape of modern technologies.

SRVL Easy UPS is a double-conversion on-line rack/tower convertible UPS designed for flexibility to address power challenges at the edge. The UPS has longer battery life that saves time and hassle from service dispatches, and reduces maintenance costs.



- Form Factor: Rack/Tower Convertible
- Models: Standard (Built-in batteries), Extended (Capability to add external battery packs)
- Type of Outlets: IEC
- Output VA rating: 1000/2000/3000 VA, 6 kVA
- Output Waveform: Pure Sine Wave

### Double-conversion On-Line

 Helps to provide a clean, uninterrupted power supply to essential loads during brownouts, line noise, voltage transients and power outages.

### High Power Factor

- More real output power in watts with:
  - » 0.9 PF (1000/2000/3000 VA)
  - » Unity PF (6 kVA)

### High Efficiency

- In on-line double-conversion mode:
  - » Up to 90% efficiency (1000/2000/3000 VA)
  - » Up to 93.5% efficiency (6 kVA)
- In ECO mode saves utility and cooling costs without compromising performance or reliability:
  - » Up to 96% efficiency (1000/2000/3000 VA)
  - » Up to 97% efficiency (6 kVA)

### Emergence Power Off (EPO)

 Remote UPS shuts off in the event of emergency, UPS can accept normally closed (NC) contacts

### Warranty

 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.

### Simplified Monitoring and Management

- USB and serial ports for UPS management with PowerChute Serial Shutdown software.
- Optional Network Management Card supports networkbased monitoring.

#### High Density, Compact, and Light Weight

• Lithium-ion battery pack in 2U – 3U rack height allows longer runtime, lighter and saves space.

### LCD Display

 Intuitive interface provides detailed and accurate information about UPS with the ability to configure locally.

### Versatile Rack/Tower Convertible Design

Provides flexibility to change from a rack to tower installation using default accessories

# Easy UPS On-Line Lithium-ion Series

### APC Easy UPS SRVL, 1 Phase, On-Line Lithium-ion



SRVI 1KRIRK



SRVL6KRIL

Standard Easy UPS (W/ Intelligent Slot)	Reference
SRVL 1000 VA 230 V	SRVL1KRIRK
SRVL 2000 VA 230 V	SRVL2KRIRK
SRVL 3 kVA 230 V	SRVL3KRIRK

Extended Easy UPS (W/ Intelligent Slot)	Reference	Compatible External Battery Pack
SRVL 1000 VA 230 V	SRVL1KRIL	SRVL48RMBP2U
SRVL 2000 VA 230 V	SRVL2KRIL	SRVL48RMBP2U
SRVL 3 kVA 230 V	SRVL3KRIL	SRVL48RMBP2U
SRVL 6 kVA 230 V	SRVL6KRIL	SRVL48RMBP3U
SRVL 1000 VA 230 V	SRVL1KRILRK	SRVL48RMBP2U
SRVL 2000 VA 230 V	SRVL2KRILRK	SRVL48RMBP2U
SRVL 3 kVA 230 V	SRVL3KRILRK	SRVL48RMBP2U
SRVL 6 kVA 230 V	SRVL6KRILRK	SRVL48RMBP3U



# Easy UPS Accessories

### Additional solution enhancement options





















APCRBCV207

### **Management Cards**

- AP9544: Optional Network management card for remote monitoring of SRV and SRVL series
- VGL9901I: Dry contact card to monitor external triggers and initiate actions, compatible with SRV and SRVL series
- SRVSMB001: Modbus card for communication with PCs through MODBUS protocol, compatible with SRV and SRVL series

### **External Battery Packs**

APC External Battery Packs provides extended runtime when connected with compatible Easy UPS models. For more information, refer to the External Battery Pack product page in www.se.com.

	· -
Lead-acid Battery Pack	Compatible UPS Models
SRV36BP-9A	1000 VA SRV Extended Tower UPS
SRV72BP-9A	2000/3000 VA SRV Extended Tower UPS
SRV240BP-9A	5/6/10 kVA SRV Extended Tower UPS
SRV36RLBP-9A	1000 VA SRV Extended Rackmount UPS
SRV72RLBP-9A	2000/3000 VA SRV Extended Rackmount UPS
SRV240RLBP-9A	5/6/10 kVA SRV Extended Rackmount UPS
SRV120RLBP2-9A	15/20 kVA SRV Extended Rackmount UPS
Lithium-ion Battery Pack	Compatible UPS Models
SRVL48RMBP2U	1000/2000 VA/3 kVA SRVL Extended Rackmount UPS
SRVL48RMBP3U	6 kVA SRVL Extended Rackmount UPS

### Rail Kits

APC Easy UPS Rail Kit provides simple rack mount installation, allowing easy UPS maintenance while minimizing space needed.

- SRVRK1: 700 mm rail kit compatible with SRV and SRVL Rackmount series, can support equipment with maximum weight of 60 kg
- SRVRK2: 900 mm rail kit compatible with SRV and SRVL Rackmount series, can support equipment with maximum weight of 100 kg

### Replacement Battery Cartridges (RBC)

APC Easy Replacement Battery Cartridges comes fully assembled and can be easily replaced by an APC authorized service technician. The battery cartridges are compliant with international regulations and safe for transport.

The RBCs are compatible with APC SRV/SMV/BV/BVX UPSs, restoring power backup capacity and extending the useful life of the UPS. For compatible models, refer to the reference table of each series.

# Easy UPS Management Solutions

### PowerChute™ Serial Shutdown

With PowerChute Serial Shutdown, Easy UPS enables the graceful unattended shutdown of servers and workstations using serial or USB cables. This helps prevent data corruption and costly equipment damage.



#### Convenience

- Initial Set-Up Wizard
- SMTP Authentication
- Password Security
- Secure Communication
- Multiple Language Support

#### Protection

- Load Shedding
- Scheduling capability
- Operating System Shutdown
- Sequenced network shutdown and reboot
- · Outlet group control

### Manageability

- Notification
- Data Logging
- Event Logging
- Run Command File
- Multiple Easy UPS Management

### Compatibility

- System Event Log Integration
- Enterprise management system compatible
- PowerChute Serial Shutdown OS Compatibility

### **Energy Management**

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

Note: For more information, visit apc.com/pcss.

### **Optional Network Management Card**

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



### **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)

Note: For more information, visit apc.com/secure-nmc.

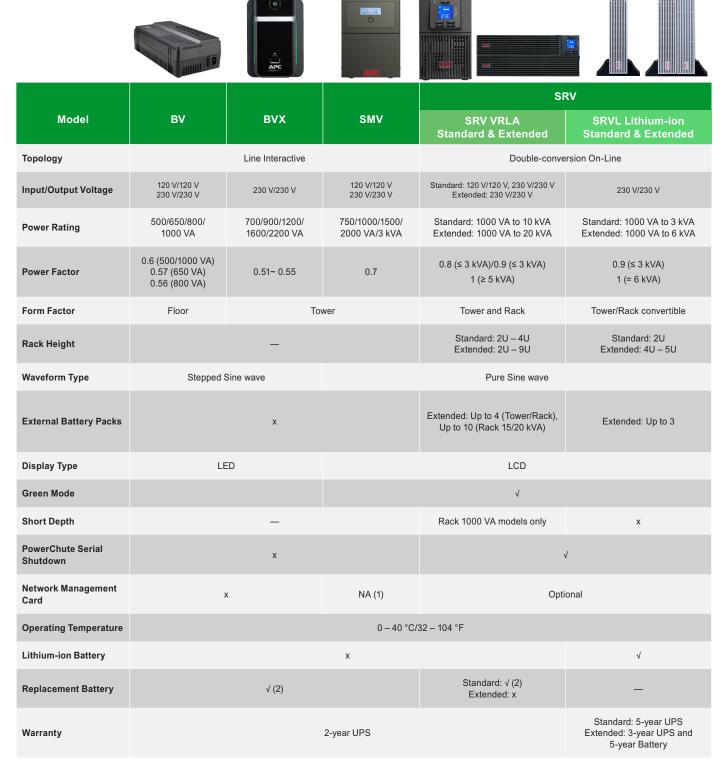
#### **Enhanced Performance**

- 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 Series Comparison



<sup>(1)</sup> The SMVCAI models will no longer support APV9602 network management card. For existing customers needing support with the network management card or UPS remote monitoring feature, please contact the Customer Care Center.

<sup>(2)</sup> Not all UPS models have replacement battery.



### Learn more about our products at

se.com

### Schneider Electric Industries SAS

Head Office 35 rue Joseph Monier Rueil Malmaison 92500 - France Tel.: +33 (0)1 41 29 70 00

www.se.com