



# APC SRV6KRILRK Easy UPS On-Line SRV RM Specifications And Datasheet

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**APC SRV6KRILRK Easy UPS On-Line SRV RM**



## Overview

- **Presentation** High quality, Double-conversion On-line UPS designed for essential power protection needs even in the most unstable power conditions.
- **Lead time** Usually in Stock

## Main

- **Main Input Voltage** 230 V
- **Other Input Voltage** 220 V; 240 V
- **Main Output Voltage** 230 V
- **Other Output Voltage** 220 V; 240 V
- **Rated power in W** 6000 W
- **Rated power in VA** 6000 VA
- **Output connector type** Hard wire 3-wire (1P + N + E) 1
- **Number of rack unit** 5U
- **Provided equipment**
  - 1 USB cable
  - 1 RS-232 configuration cable
  - 2 rack mounting brackets
  - 2 rack mounting support rails
  - 1 external battery pack
  - 1 battery cable

## Batteries & Runtime

- **Battery type** Lead-acid battery
- **Battery voltage** 240 V

- **Number of battery filled slots** 0
- **Number of battery free slots** 0
- **Battery recharge time** 5 h
- **Battery life** 3...5 year(s)
- **Battery charger power** 1170 W rated
- **Battery option**
  - SRV240RLBP-9A 1 3024 VAh
  - SRV240RLBP-9A 2 4536 VAh
  - SRV240RLBP-9A 3 6048 VAh
  - SRV240RLBP-9A 4 7560 VAh

## General

- **Number of power module filled slots** 0
- **Number of power module free slots** 0
- **Redundant** No

## Physical

- **Colour Black** (RAL 7010)
- **Height** 22 cm
- **Width** 43.8 cm
- **Depth** 61.5 cm
- **Product weight** 78 kg
- **Mounting location** Front
- **Mounting preference** Lower
- **Mounting mode** Rack-mounted
- **USB compatible** Yes
- **Mounting position** Horizontal

## Input

- **Input voltage limits** 110...300 V 60 % load; 176...300 V full load
- **Number of input connectors** 1 hard wire 3-wire (1P + N + E)
- **Network frequency** 40...70 Hz auto sensing

## Output

- **Maximum configurable power in VA** 6000 VA
- **Maximum configurable power in W** 6000 W
- **Output frequency** 50/60 Hz +/- 3 Hz sync to mains
- **Harmonic distortion** 1 %
- **UPS type** Double conversion online
- **Wave type** Sine wave

- **Efficiency** 94 % (full load)
- **Additional information** Configurable for 220 : 230 or 240 nominal output voltage
- **Bypass type** Internal bypass (automatic and manual)
- **Crest factor** 3 : 1

## Conformance

- **Product certifications**
  - CE
  - UKCA
  - EAC
  - TISI
- **Standards**
  - EN/IEC 62040-1:2019/A11:2021
  - EN/IEC 62040-2:2006/AC:2006
  - EN/IEC 62040-2:2018

## Environmental

- **Ambient air temperature for operation** 0...40 °C
- **Relative humidity** 0...95 % non-condensing
- **Operating altitude** 0...3000 m
- **Ambient air temperature for storage** -15...60 °C
- **Storage Relative Humidity** 0...95 % non-condensing
- **Storage altitude** 0...15000 m
- **Acoustic level** 55 dBA
- **Heat dissipation** 1172 Btu/h
- **IP degree of protection** IP20

## Communications & Management

- **Alarm:** Alarm when on battery distinctive low battery alarm: overload continuous tone alarm
- **Emergency power off** Yes
- **Free slots** 1
- **Control panel** Multifunction LCD status and control console

## Surge Protection and Filtering

- **Surge energy rate** 600 J

## Packing Units

- **Unit Type of Package 1** PCE
- **Number of Units in Package 1** 4

- **Package 1** Height 49 cm
- **Package 1** Width 60 cm
- **Package 1** Length 87 cm
- **Package 1** Weight 88 kg

## Offer Sustainability

- **REACH Regulation** REACH Declaration
- **EU RoHS Directive** Compliant; EU RoHS Declaration
- **Mercury-free** Yes
- **RoHS exemption information** Yes

## Contractual warranty

- **Warranty** 2 years repair or replace  
Recommended replacement(s)

## Features

### 1. Online Double Conversion:

The online double conversion technique used by the UPS adjusts the incoming AC power continuously and delivers a stable and clean output power to connected devices. This ensures that power disturbances like surges, sags, and voltage variations are fully protected.

### 2. High Power Capacity:

With a 6000VA (6kVA) capacity, the Easy UPS On-Line SRV RM is appropriate for medium- to large-sized IT infrastructures and essential equipment. It can manage a sizable quantity of power load while safeguarding several servers, networking hardware, storage systems, and other crucial pieces of machinery.

### 3. Rack-Mountable Design:

The UPS may be readily incorporated into 19-inch server racks or cabinets because it is designed for rack-mount installation. This simplifies installation in server rooms or data centres and saves priceless floor space.

### 4. Scalable Runtime:

The external battery packs that can be attached to the UPS to extend the backup runtime are supported. This is especially helpful when prolonged power interruptions or prolonged runtime requirements are anticipated.

### 5. LCD Display and Control Panel:

An LCD display on the UPS's front panel shows real-time status data, such as load levels, battery charge, and numerous system characteristics. It also has a user-friendly control panel for accessing advanced features and customising settings.

### 6. Advanced Battery Management:

To maximize battery performance and lengthen battery life, UPS uses cutting-edge battery management technologies. This includes temperature adjustment, routine battery self-tests, and notification of impending battery failure.

### 7. Multiple Communication Options:

For easy network management system integration and remote monitoring, the Easy UPS On-Line SRV RM has a variety of connection interfaces, including USB, serial, and SmartSlot. These interfaces provide possibilities

for automated shutdown, remote management, and monitoring.

#### **8. Efficient Operation:**

To minimize energy usage and lower operating expenses, UPS makes use of high-efficiency parts and design strategies. It meets with energy efficiency criteria set by the industry, such as the 80 PLUS accreditation.

#### **9. Audible and Visual Alarms:**

In order to deliver prompt notifications of power events, battery health, and system issues, the UPS has loud alarms and LED indications. This enables users to spot problems with the power source right away and fix them.

### **FAQ's**

What input voltage range can the UPS handle?

The input voltage range supported by the APC Easy UPS On-Line SRV RM 6000VA 230V is 160V to 280V.

How long would a power loss last while the UPS is providing backup power?

The connected load and, if applicable, the capacity of external battery packs affect the UPS's backup runtime. APC offers a runtime calculator tool on their website for accurate runtime calculations.

Can I remotely administer and monitor the UPS?

Yes, the UPS is compatible with a variety of communication interfaces, including USB, serial, and SmartSlot, that allow for remote management, automated shutdown, and monitoring.

Is the UPS compatible with various network management and operating systems?

Yes, the UPS can be seamlessly integrated and monitored with a variety of operating systems and network management systems.

How long does it take for the UPS battery to recharge following a power outage?

The UPS battery's capacity and level of discharge determine how long it takes to recharge. The battery often needs several hours to fully recharge.

Can I swap the UPS battery out on my own?

The UPS battery can be changed, yes. APC offers user-replaceable battery kits with comprehensive instructions on how to replace the battery in a secure manner.

Does the UPS provide surge protection?

In order to protect connected equipment against power surges, spikes, and transient voltage, the UPS does indeed offer surge protection.

What happens if the UPS draws more power than it can handle?

Depending on the UPS model and configuration, if the load exceeds the power capacity of the UPS, an overload alert may sound or the load may be automatically switched to bypass mode.

Can I prolong the UPS's warranty period?

Yes, APC provides options for an extended warranty on the UPS. If you want more information on extended warranty programmes, get in touch with APC or your authorised reseller.

How can I test the UPS on my own?

There is a self-test function integrated into the UPS. Using the control panel or APC's software administration tools, you can start a self-test.

Can frequency changes be protected from by the UPS?

Yes, the UPS protects against frequency fluctuations by using an online double conversion process to change the input AC power to a stable frequency.

Can I use the UPS with non-computer devices?

Yes, a variety of devices, including servers, networking hardware, storage systems, and other essential electronic equipment, can be protected and given backup power by the UPS.

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