# Product data sheet
## Characteristics

# SC450RMI1U
## APC Smart-UPS SC 450VA 230V - 1U Rackmount/Tower



## Overview

| | |
|---|---|
| Presentation | APC Smart-UPS SC is ideal for small and medium businesses looking to protect networking eq |

## Main

| | |
|---|---|
| Main Input Voltage | 230 V AC 1 phase |
| Input Connection Type | IEC 60320 C14 |
| Input voltage limits | 151...302 V adjustable<br>195...265 V |
| Network frequency | 50/60 Hz +/- 3 Hz auto-sensing |
| Output voltage | 230 V AC 1 phase |
| Rated power in W | 280 W |
| Rated power in VA | 450 VA |
| Output connection type | 4 IEC 60320 C13<br>2 IEC Jumpers |
| Harmonic distortion | Less than 5 % at full load |
| Maximum configurable power in VA | 450 VA |
| Maximum configurable power in W | 280 W |
| Transfer time | 4 ms typical : 8 ms maximum |
| UPS type | Line interactive |
| Wave type | Stepped approximation to a sinewave |
| Output frequency | 47...53 Hz for 50 Hz nominal sync to mains<br>57...63 Hz for 60 Hz nominal sync to mains |

## Complementary

| | |
|---|---|
| Battery capacity | 9.0 Ah |
| Battery type | Lead-acid internal included |
| Emergency power off | Optional |
| Free slots | 0 |
| Control panel | LED status display with on line : on battery : replace battery and overload indicators |
| Alarm | Alarm when on battery : distinctive low battery alarm : overload continuous tone alarm |
| UPS connectivity | Serial port<br>USB port |
| Data line protection | RJ45 10/100 Base-T Ethernet protection |
| Data line protection | RJ11 2-Way Modem/Fax/DSL splitter with protection (four wire dual line) |
| Surge energy rate | 320 J |
| Noise suppression | Full time multi-pole noise filtering : 0.7% IEEE surge let-through : zero clamping response time |

| | |
|---|---|
| Number of rack unit | 1U |
| Colour | Grey |
| Height | 44 Mm |
| Width | 432 Mm |
| Depth | 383 Mm |
| Net weight | 10.18 Kg |
| Mounting location | Front |
| Mounting preference | Lower |
| Mounting mode | Rack-mounted |
| Two post mountable | 0 |
| USB compatible | No |
| Mounting mode | Rack-mounted |
| Provided equipment | User manual<br>Rack mounting brackets<br>Smart UPS signalling RS-232 cable<br>CD with software |
| Number of power module | 0 |
| Number of power module filled slots | 0 |
| Number of power module free slots | 0 |
| Additional specification | Entry level |
| Redundant | No |
| Range of product | Smart-UPS |
| Product or component type | Uninterruptible power supply (UPS) |

## Environment

| | |
|---|---|
| Product certifications | C-Tick[RETURN]CE[RETURN]EAC[RETURN]GOST[RETURN]TISI[RETURN]VDE |
| Standards | EN/IEC 62040-1:2019/A11:2021<br>EN/IEC 62040-2:2006/AC:2006<br>EN/IEC 62040-2:2018 |
| Ambient air temperature for operation | 0…40 °C |
| Ambient air temperature for storage | -15…45 °C |
| Storage altitude | 0…15240 M |
| Relative humidity | 0…95 % |
| Storage Relative Humidity | 0…95 % |
| Acoustic level | 38 dBA |
| Heat dissipation | 38 Btu/H |
| Operating altitude | 0...10000 ft |

## Batteries & Runtime

| | |
|---|---|
| Battery type | Lead-acid battery |
| Battery voltage | 12 V |
| Extended runtime | 0 |
| Number of battery filled slots | 0 |
| Number of battery free slots | 0 |
| Battery recharge time | 5 H |
| Number of battery replacement quantity | 1 |
| Battery life | 3…5 Year(S) |
| Battery charger power | 22 W rated |

## Packing Units

| | |
|---|---|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 16.400 Cm |
| Package 1 Width | 47.600 Cm |
| Package 1 Length | 58.900 Cm |
| Package 1 Weight | 11.730 Kg |
| Unit Type of Package 2 | PAM |

| | |
|---|---|
| Number of Units in Package 2 | 32 |
| Package 2 Height | 143.800 Cm |
| Package 2 Width | 100.000 Cm |
| Package 2 Length | 120.000 Cm |
| Package 2 Weight | 403.200 Kg |

## Offer Sustainability

| | |
|---|---|
| Recyclability potential, in % | 51 |
| Total lifecycle Carbon footprint | 585 kg CO2 eq. |
| Carbon footprint of the manufacturing phase [A1 to A3] | 314.7052555358 |
| Carbon footprint of the manufacturing phase [A1 to A3] | 315 kg CO2 eq. |
| Carbon footprint of the distribution phase [A4] | 7.5180688491 |
| Carbon footprint of the distribution phase [A4] | 8 kg CO2 eq. |
| Carbon footprint of the installation phase [A5] | 2.1855576319 |
| Carbon footprint of the installation phase [A5] | 2 kg CO2 eq. |
| Carbon footprint of the use phase [B2, B3, B4, B6] | 249.4597400595 |
| Carbon footprint of the use phase [B2, B3, B4, B6] | 249 kg CO2 eq. |
| Mercury free | Yes |
| Sustainable packaging | No |
| Carbon footprint of the end-of-life phase [C1 to C4] | 11.4637114752 |
| Carbon footprint of the end-of-life phase [C1 to C4] | 11 kg CO2 eq. |
| Environmental Disclosure | Product Environmental Profile |
| Total lifecycle Carbon footprint | 585 |
| Average percentage of recycled plastic content | 15 % |
| Packaging made with recycled cardboard | Yes |
| Packaging without single use plastic | No |
| SCIP Number | B2b22a56-41f2-497e-9ea6-cf093b3b8bd3 |
| REACh Regulation | Reference contains Substances of Very High Concern above the threshold |
| EU RoHS Directive | Compliant By Exemption |
| End of life manual availability | End Of Life Information |
| Removable battery | User replaceable |
| Take-back | Yes |
| WEEE Label | The product must be disposed on European Union markets following specific waste collection a |

## Contractual warranty

| | |
|---|---|
| Warranty (in months) | 24 |

Product Life Status : Commercialised