

You are here: Home > Products > Uninterruptible Power Supply (UPS) > Smart-UPS

### Smart-UPS

#### APC Smart-UPS 420VA 120V

APC Smart-UPS, 260 Watts / 420 VA, Input 120V / Output 120V, Interface Port DB-9 RS-232



**Includes:** CD with software, Smart UPS signalling RS-232 cable, User Manual

★★★★★  
Be the first to [write a review](#)

#### SU420NET

**DISCONTINUED** : recommended replacement product [SC420](#)

Email Technical Specifications

Printer Friendly

Locate a Partner

#### Product Category

- Computer and Peripheral (7)
- Home UPS (1)
- Network and Server
  - > **Smart-UPS**
  - > Smart-UPS On-Line
  - > Smart-UPS BR
  - > Symmetra
- Data Center and Facility 3 Phase (14)
- Special Applications (5)
- UPS Management (7)
- UPS Replacement Batteries (2)



Return to Uninterruptible Power Supply (UPS)

More Images

#### Technical Specifications

#### Product Overview

#### Documentation

#### Software & Firmware

#### Options

#### Ratings and Reviews

#### Output

Output Power Capacity	260 Watts / 420 VA
Max Configurable Power	260 Watts / 420 VA
Nominal Output Voltage	120V
Output Frequency (sync to mains)	47 - 53 Hz for 50 Hz nominal, 57 - 63 Hz for 60 Hz nominal
Crest Factor	up to 5 : 1
Topology	Line Interactive
Waveform Type	Stepped approximation to a sinewave
Output Connections	(4) NEMA 5-15R



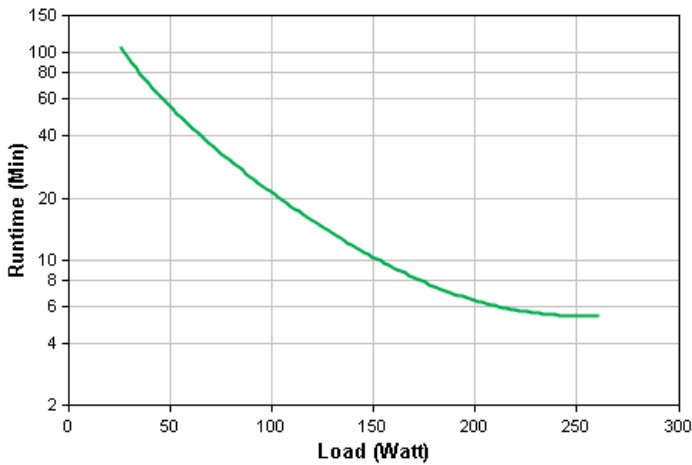
#### Input

Nominal Input Voltage	120V
Input Frequency	50/60 Hz +/- 3 Hz (auto sensing)
Input Connections	NEMA 5-15P
Cord Length	1.83 meters
Input voltage range for main operations	82 - 144V
Input voltage adjustable range for mains operation	75 - 154V



#### Batteries & Runtime

Battery Type	Maintenance-free sealed Lead-Acid battery with suspended electrolyte : leakproof
Typical recharge time	5 hour(s)
Replacement Battery	<a href="#">RBC2</a> , <a href="#">RBC2J</a>
RBC™ Quantity	1
Runtime Graph	



Hover over the line on the graph above to view the runtime at any desired load

Curve fit to measured runtime data. All measurements taken with new, fully charged batteries, at typical environmental conditions, with no electrical input and balanced resistive load (PF = 1.0) output.

[View Enlarged Graph](#)

[View Runtime Chart](#)

#### Communications & Management

Interface Port(s)	DB-9 RS-232
Control panel	LED status display with On Line : On Battery : Replace Battery and Overload indicators
Audible Alarm	Alarm when on battery : distinctive low battery alarm
Emergency Power Off (EPO)	Optional

#### Surge Protection and Filtering

Surge energy rating	412 Joules
Filtering	Full time multi-pole noise filtering : 0.7% IEEE surge let-through : zero clamping response time : meets UL 1449
Data Line Protection	RJ-45 Modem/Fax/DSL/10-100 Base-T protection

#### Physical

Maximum Height	168.00 mm
Maximum Width	119.00 mm
Maximum Depth	368.00 mm

Net Weight	10.00 KG
Shipping Weight	10.91 KG
Shipping Height	318.00 mm
Shipping Width	262.00 mm
Shipping Depth	508.00 mm
Color	Beige
Units per Pallet	40.00
<b>Environmental</b>	
Operating Environment	0 - 40 °C
Operating Relative Humidity	0 - 95%
Operating Elevation	0-3000 meters
Storage Temperature	-15 - 45 °C
Storage Relative Humidity	0 - 95%
Storage Elevation	0-15000 meters
Audible noise at 1 meter from surface of unit	45.00 dBA
Online Thermal Dissipation	50.00 BTU/hr
<b>Conformance</b>	
Regulatory Approvals	CSA, FCC Part 15 Class A, UL 1778
Standard Warranty	2 years repair or replace, optional on-site warranties available, optional extended warranties available
<b>Sustainable Offer Status</b>	

\*\*The time to recharge to 90% of full battery capacity following a discharge to shutdown using a load rated for 1/2 the full load rating of the UPS.