

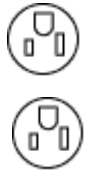


APC BACK-UPS RS 500VA 120V

Part Number: BR500

Output

| | |
|----------------------------------|-------------------------------------|
| Output Power Capacity | 300 Watts / 500 VA |
| Max Configurable Power | 300 Watts / 500 VA |
| Nominal Output Voltage | 120V |
| Output Frequency (sync to mains) | 47 - 63 Hz |
| Crest Factor | 3 : 1 |
| Waveform Type | Stepped approximation to a sinewave |
| Output Connections | (3) NEMA 5-15R (Battery Backup) |
| | (3) NEMA 5-15R (Surge Protection) |



Input

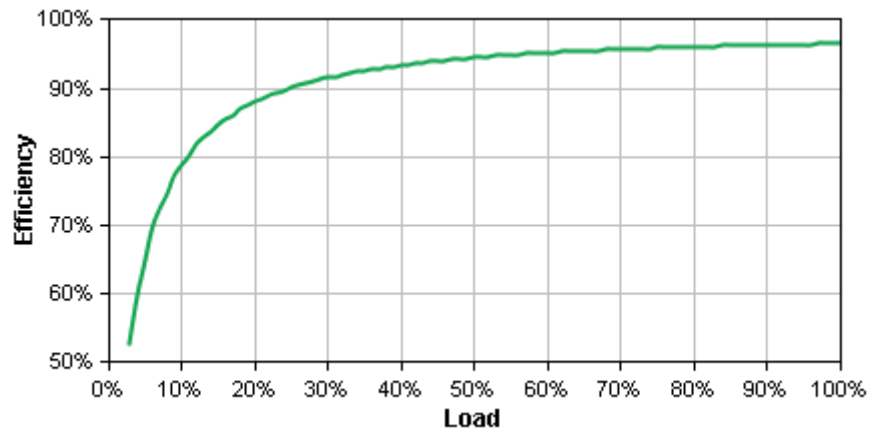
| | |
|--|----------------------|
| Nominal Input Voltage | 120V |
| Input Frequency | 47 - 63 Hz |
| Input Connections | NEMA 5-15P |
| Cord Length | 6 feet (1.83 meters) |
| Input voltage range for main operations | 98 - 132V |
| Input voltage adjustable range for mains operation | 78 - 152V |
| Maximum Input Current | 10A |
| Input Breaker Capacity | 10A |



Batteries & Runtime

| | |
|----------------------------------|---|
| Battery Type | Maintenance-free sealed Lead-Acid battery with suspended electrolyte: leakproof |
| Typical recharge time | 8 hour(s) |
| Replacement Battery | RBC2 |
| RBC™ Quantity | 1 |
| Typical Backup Time at Half Load | 14.8 minutes (150 Watts) |
| Typical Backup Time at Full Load | 2.8 minutes (300 Watts) |
| Runtime Chart | Back-UPS RS |

Energy Use/Efficiency



Curve fit to measured efficiency data. All measurements taken in normal operating mode, at typical environmental conditions, with nominal electrical input and resistive load output.

Communications & Management

| | |
|-------------------|--|
| Interface Port(s) | USB |
| 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 : overload continuous tone alarm |

Surge Protection and Filtering

| | |
|----------------------|--|
| Surge energy rating | 1020 Joules |
| Filtering | Full time multi-pole noise filtering : 5% 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 | 6.50 inches (165 mm) |
| Maximum Width | 3.60 inches (91 mm) |
| Maximum Depth | 11.20 inches (284 mm) |
| Net Weight | 13.20 lbs. (6.00 kg) |
| Shipping Weight | 15.87 lbs. (7.21 kg) |
| Shipping Height | 9.65 inches (245 mm) |
| Shipping Width | 6.93 inches (176 mm) |
| Shipping Depth | 13.25 inches (337 mm) |
| Master Carton Units | 2.00 |
| Master Carton Weight | 33.29 lbs. |
| Color | Beige |
| SCC Codes | 1073130422843 8 |
| Units per Pallet | 80.00 |

Environmental

| | |
|-----------------------------|------------------------------|
| Operating Environment | 32 - 104 °F (0 - 40 °C) |
| Operating Relative Humidity | 5% |
| Operating Elevation | 0-10000 feet (0-3000 meters) |
| Storage Temperature | 23 - 113 °F (-5 - 45 °C) |
| Storage Relative Humidity | 5% |

| | |
|---|-------------------------------|
| Storage Elevation | 0-50000 feet (0-15000 meters) |
| Audible noise at 1 meter from surface of unit | 45.00 dBA |
| Online Thermal Dissipation | 63.00 BTU/hr |

Conformance

| | |
|-----------------------------|--|
| Regulatory Approvals | cUL Listed,FCC Part 15 Class B,FCC Part 68,NOM,UL 1778,UL 497A,UL498 |
| Standard Warranty | 3 years repair or replace |
| Equipment protection policy | Lifetime : \$150000 |

**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.

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