

Best 610

UNINTERRUPTIBLE POWER SYSTEMS

700VA TO 10kVA
Reliable on-line, high frequency double-conversion power protection with optional external batteries, for mission-critical applications.

120V

Built to Protect:

- > Midrange Computer Systems
 - > Telecommunications/PBX
 - > Central Data Processing
 - > Internetworking Equipment
 - > Manufacturing Process Control
 - > Security Systems
 - > Generator Site Applications
-
- > Equipment in Harsh Power Environments



CheckUPS® II software and cable provided for a complete power management solution.



Protects Your Valuable Equipment

Best 610 UPSs provide protection against the effects of spikes, sags, surges, noise, lightning and power outages.

On-Line, High-Frequency Double-Conversion Technology

Utilizes NEW "on-line" high-frequency double-conversion technology, which outputs true, uninterrupted sine-wave power from the inverter; so connected equipment receives smooth, clean power.

On-Line Reliability

Every Best 610 UPS performs extensive operating diagnostics upon Start-up, ensuring a high level of reliability.

Easy To Operate

One-button operation makes control easy in all models. Mimic flow diagram on front panel shows the energy flow through the UPS to protected loads, making performance of the unit easy to interpret.

Input Power Factor Correction

An input power factor correction circuit prevents harmful harmonics from affecting other connected loads within the building.

External Battery Connector/Battery Packs

An external battery connector* provides simple plug-in runtime expansion through battery pack additions.

*Except 700VA model

Space-saving Efficiency

Highly efficient output results in a compact design with reduced footprint, weight and dimensions.

NEW BestLink™ SNMP/WEB Adapter

Best 610 UPSs are compatible with optional BestLink™ SNMP/WEB Adapter (internal version), which provides both SNMP or HTTP compatibility between a Best Power UPS and an Ethernet LAN/WAN, allowing for easy monitoring, management, and safe shutdown of remote UPS-protected servers, routers, and hubs.

Enhanced Communication with Free Software

Best Power includes the latest version of CheckUPS II Power Management Software Suite and connecting cable FREE with every Best 610 UPS, which provides a complete power protection solution compatible with most major operating systems.

Superior 2-Year Warranty

Best 610 is covered by our two-year limited warranty against factory or workmanship defects. We up the ante with our "Double Lifetime" limited warranty* that repairs or replaces your Best 610 if damaged by lightning, and covers up to US\$25,000 for damage to connected equipment. Call the factory for details on these limited warranties.

*U.S. and Canada only.

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POWER SYSTEMS

BEST POWER NEVER STOPS

120V Specifications

| Models | 700VA | 1kVA | 1.5kVA | 2kVA | 3kVA | 6kVA | 10kVA |
|-----------------------------------|------------------|------------|------------------|----------------------------------|-----------------------------------|--------------------|--------------------|
| Part Number | B610-0700U | B610-1000U | B610-1500U | B610-2000U | B610-3000U | B610-6000U | B610-010KU |
| Capacity (VA/Watts) | 700/490 | 1000/700 | 1500/1050 | 2000/1400 | 3000/2100 | 6000/4200 | 10000/7000 |
| Dimensions (inches) | 8.9 x 5.7 x 15.1 | | 8.9 x 5.7 x 18.3 | 13.8 x 7.6 x 17.9 | | 31.5 x 10.2 x 21.9 | 37.8 x 13.4 x 25.6 |
| H x W x D (mm) | 225 x 145 x 400 | | 225 x 145 x 465 | 350 x 192 x 455 | | 800 x 260 x 555 | 960 x 340 x 650 |
| Weight (lbs) | 25.4 | 30.8 | 42.9 | 72.6 | 77 | 266.2 | 517 |
| (kg) | 11.5 | 14 | 19.5 | 33 | 35 | 121 | 235 |
| Input Connection | NEMA 5-15P | | | NEMA L5-20P | NEMA L5-30P | Hardwired | |
| Output Receptacle Quantity & Type | (4) NEMA 5-15R | | | (4) NEMA 5-15R (1) NEMA 5-20R | (4) NEMA 5-15R (1) NEMA L5-30R | Hardwired | |
| Typical Runtime: (Full Load) | 6 | 7 | 6 | 12 | 6 | 7 | 11 |
| (minutes) (Half Load) | 18 | 20 | 17 | 29 | 18 | 21 | 27 |

| Operation | |
|---|---|
| Nominal Input Voltage | 120VAC |
| Input Voltage Range (for on-line operation) | 80-138VAC |
| Operating Frequency (on line) | 50/60Hz ±5% autosensing |
| Nominal Output Voltage | 100/110/120/127VAC Dip Switch Selectable |
| Output Voltage Regulation (on line) | ±3% of nominal |
| Overload Capacity | Up to 110% for 10 seconds then transfer to inverter |
| Transfer Time | 0 ms |
| On-Battery Voltage | 120VAC ±3% selected nominal voltage |
| Operating Frequency | Phase locked to input under normal conditions, ±0.5% on battery |
| Output Voltage Waveform | Sine-wave |
| Output Protection | Electronic overload and short circuit protector |
| Input Protection | Fuse or circuit breaker |
| Recharge Time (to 90%) | 8 hours |
| Lightning & Surge Protection | IEC 801-2, 801-3, 80-4, 801-5 |
| Efficiency | >85% on-line (battery fully charged, load >50%) |
| Safety Certification | UL1778 |
| EMI Compliance | FCC Class B |
| Communications | BestDock™ slot. DB9 male with RS-232 serial communications and contact closure |
| Testing Standards | IEEE/ANSI C62.45 (1991) |
| Indicators | Load levels (on AC), Battery discharge level (on battery), Fault indicator & LED mimic panel indicators |
| Audible Alarms | Battery discharge, Low battery, Overload, UPS fault |

| Environmental | |
|----------------------------|-------------------------------------|
| Operating Temperature | 0 to 40° C (32 to 104° F) |
| Storage Temperature | -15 to 50° C (5 to 122° F) |
| Relative Humidity | 0-95% non-condensing |
| Audible Noise at One Meter | <50 dBA |
| Altitude | 3000m (10,000 ft.) without derating |

* Dual voltage available through series or parallel connection of secondary wiring of the included isolation transformer.

All specifications subject to change without notice.

Best 610 Runtimes for Typical Applications in Minutes

| Load (VA) | 175 | 250 | 350 | 375 | 500 | 525 | 700 | 750 | 1000 | 1075 | 1500 | 2000 | 2250 | 2500 | 3000 | 4500 | 5000 | 6000 | 7500 | 10000 |
|-----------|-----|-----|-----|-----|------|------|------|-----|------|------|------|------|------|------|------|------|------|------|------|-------|
| 700 | 38 | 26 | 18 | 16 | 10 | 6 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 1000 | -- | 40 | 29 | 27 | 20 | 19 | 13 | 12 | 7 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 1500 | -- | -- | -- | 34 | 25.5 | 24.3 | 18.2 | 17 | 10 | 8 | 5 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 2000 | -- | -- | -- | -- | 70 | 66 | 49 | 45 | 29 | 26 | 16 | 12 | -- | -- | -- | -- | -- | -- | -- | -- |
| 3000 | -- | -- | -- | -- | -- | -- | 45 | 30 | 27 | 18 | 12 | 9 | 8 | 6 | -- | -- | -- | -- | -- | -- |
| 6000 | -- | -- | -- | -- | -- | -- | -- | -- | -- | 50 | 36 | 31 | 26 | 21 | 11 | 9.5 | 7 | -- | -- | -- |
| 10000 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 53 | 45 | 30 | 27 | 21 | 16 | 11 | -- | -- |



NEW! Best 610
700VA to 3kVA



NEW! Best 610
6kVA to 10kVA



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