

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 "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.

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.

Unsurpassed 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.

**Best
Power**
UNINTERRUPTIBLE
POWER SYSTEMS

The Best Solution™

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 (2) NEMA 5-20R	Hardwired**	Hardwired	
					(4) NEMA 5-15R (2) NEMA 5-20R 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
	208/104, 220/110, 230/115, 240/120VAC Dip Switch Selectable*
Output Voltage Regulation (on line)	±3% of nominal
Overload Capacity	Up to 110% for 10 seconds then transfer to bypass
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, 801-4, 801-5
Efficiency	>85% on-line (full load, fully charged > load 50%)
Safety Certification	UL1778
EMI Compliance	FCC Class A
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.
 ** For hardwired unit, add an "H" to the part number. ie.B6103000UH.

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	11	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	--	--

All specifications subject to change without notice.



P.O. Box 280
Necedah, WI 54646 USA
1-800-356-5794
www.bestpower.com