

BX-600 / 1200 Specifications

Output

	115V Models	230V Models
Power Levels crated at nominal inputs	500VA/300W, 600VA/360W 1000VA/600W, 1200VA/720W	
Output Voltage	100V/110V/115V/120V Selectable	200V/220V/230V/240V Selectable
Voltage Waveform	Step wave	
Crest Factor	2 : 1	
Output Frequency (Battery mode)	65Hz	
Regulation (Nominal)	±10% (AVR)	
Regulation (Battery mode)	±5% of selected output voltage	
Transfer time	Blackout 5ms typical Brownout 3ms typical Battery mode to Normal mode : 3ms typical	
Over current protection	Over load alarm level 100% ~ 120%, Over load shutdown level 120% ~ 190% (Adjustable with the remote set-up software)	

Input

	115V Models	230V Models
Nominal Voltage	100V/110V/115V/120V Selectable	200V/220V/230V/240V Selectable
Input Frequency	47Hz ~ 65Hz, 50/60Hz auto-sensing	
Efficiency (Normal mode)	97%	
Over current protection	By reset-able over current protector	
Voltage Range	-33% ~ +28%	
AVR Range (One Buck, Two Boosts)	Buck mode: +9% for selected nominal voltage. Boost mode: -9% for selected nominal voltage. Enhanced Boost: -22% for selected nominal voltage.	
Surge Protection	115 Joules	220 Joules

☐ Battery

Battery type	Maintenance –free sealed, valve-regulated, Lead-Acid, 12V, 7Ah 500VA/600VA, 1pc / 1000VA/1200VA, 2pcs
Voltage	500VA/600VA: 12Vdc 1000VA/1200VA: 24Vdc
Typical backup time at half-load	500VA/1000VA: 15 minutes 600VA/1200VA: 12 minutes
Typical backup time at full load	500VA/1000VA: 4 minutes 600VA/1200VA: 3.5 minutes
Charging method	Smart pulse charging with two charging modes. Quick charging when battery is not fully charged, trickle charging when battery is 90% fully charged.
Charging time	5~8hrs
Average charging current	500VA/600VA: 0.6A 1000VA/1200VA: 1A
Average charging voltage for each Batt.	Quick charging mode: 14V maximum. Trickle charging mode: 13.2V ~13.9V adjustable by using the setting software.
Protection	Over charging voltage protection. (CPU control + Circuit control) Thermo protection. (CPU control) When temperature inside UPS is over 45°C charger will stop charging for 2.5 minutes followed by an 1.5 minutes charging, the cycle will repeat until the temperate is lower than 44°C.
Monitoring	Smart monitoring for failed battery or battery open circuit detection and warning, Auto-detect every time when power on and auto repeat the detection every 6 days.

☐ Communications & Management

Interface port	UPSilon2000 compatible. RS232, optional for USB. RJ45 (Surge Protection)
Control panel	LCD or LED Selectable
Audible alarm	On battery alarm: Low battery alarm, Battery over voltage alarm Over load alarm: Short-circuit alarm, Thermal alarm
Green mode function (Auto-shutdown during blackout)	1% to 14% of full load (adjustable with the setting software) The default setting is OFF.