

by Schneider Electric

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Safety and General Information



SAVE THESE INSTRUCTIONS - This section contains important instructions that should be followed during installation and maintenance of the UPS and batteries.

CAUTION

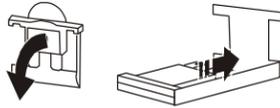
- Do not dispose of batteries in a fire. The batteries may explode.
- Do not open or mutilate batteries. Released electrolyte is harmful to the skin and eyes. It may be toxic.
- Before replacing batteries, remove conductive jewelry such as chains, wrist watches, and rings. High energy through conductive materials could cause severe burns.

- Connect the Back-UPS power cable directly to a wall outlet. Do not use surge protectors or extension cords.
- Servicing of batteries should be performed by Schneider Electric IT (SEIT) Customer Support only.
- When grounding cannot be verified, disconnect the equipment from the utility power outlet before installing or connecting to other equipment. Reconnect the power cord only after all connections are made.

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Connect the Battery

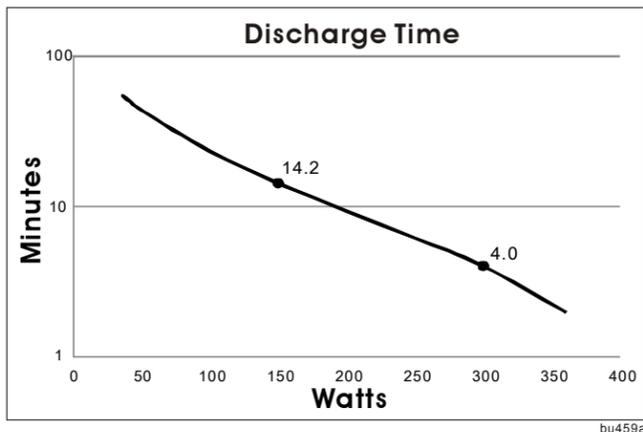
- Pull the battery connector handle down, and then push it into the unit.
- Connect the power cable directly to a wall outlet. Do not use surge protectors or extension cords. Press the POWER ON/OFF button to turn on the unit.
- Charge the battery for at least 10 hours to ensure sufficient runtime. The unit is being charged whenever it is connected to AC power, whether the unit is turned ON or OFF.



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Status Indicators

Status	LED Indicator	Audible Indicator On
Power On The Back-UPS is supplying AC power to connected equipment.	The On Line LED illuminates green.	None
On Battery mode	The On Line LED illuminates green. The LED is not illuminated during the beeps.	Back-UPS beeps 4 times every 30 seconds.
Low Battery Indicator	The On Line LED flashes green.	The Back-UPS emits rapid beeping. (once every second)
Replace Battery • The battery is disconnected. • The battery needs to be charged or replaced.	The On Line LED flashes green.	Constant tone
Overload Shutdown on battery power	None	Constant tone



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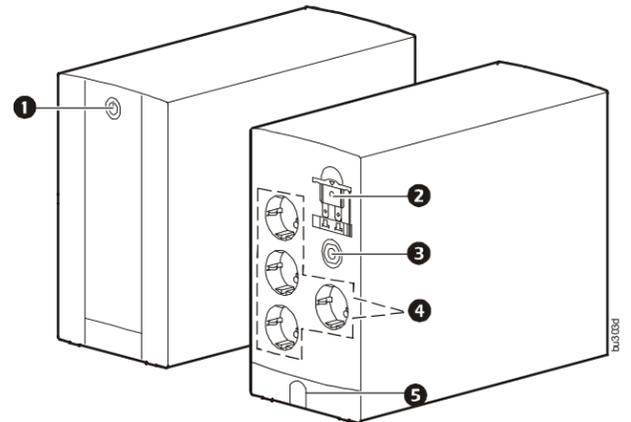
EAC Certification

EAC	Product type	UPS
	Models	BC650-RSX761
	Manufacturer contact information	International Precision Assemblies Inc. Lot 2 Block 17 Phase IV, PEZA Rosario 4106 Cavite, Philippines
Transportation conditions	Battery key should be disconnected prior to transportation.	
Type of atmosphere for operations	Normal	
Type of environment for operations	Normal	
Date of manufacturing	Printed on packaging.	
Made in Philippines		
Company representative in Russia	AO Schneider Electric 127018, Moscow, Dvintsev street 12, Building 1	
Product life time	3 to 5 years	
Warranty	2 years	

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Overview

- POWER ON/OFF button
- Battery connector
- Circuit breaker
- Four Battery and surge protected outlets
- AC power cable



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Transfer Voltage and Sensitivity Settings

The Back-UPS detects and reacts to line voltage distortions by transferring to battery backup power to protect connected equipment. In situations where either the Back-UPS or the connected equipment is too sensitive for the input voltage level it is necessary to adjust the transfer voltage.

The UPS will shut down when the UPS detects that connected equipment is using less than 15 W of battery power for more than 15 minutes. No-load shutdown can be enabled or disabled through **Program** mode described below.

- Turn off the UPS while connected to a wall outlet.
- Press and hold the POWER ON/OFF button until the LED continuously flashes green. Release the button. The Back-UPS is now in Program mode.
- The LED will flash once, twice, or three times per second, and emit audible beeps to indicate the current sensitivity level. The Back-UPS will beep to indicate that No-load Shutdown is enabled. Refer to the table for an explanation of the transfer voltage sensitivity levels.
- To exit **Program** mode wait five seconds and all LED indicators will extinguish. **Program** mode is no longer active.

LED Flashes	Audible Indicator	Voltage Sensitivity Setting	Input Voltage Range
Once per second	4 beeps per second	Low	160-278
Twice per second		Medium (factory default)	180-266
Three times per second		High	196-256

Troubleshooting and Service

- Consult the Troubleshooting from the APC by Schneider Electric Web site, www.apc.com.
- If the problem persists, read the online user manual of BC650-RSX761 from the APC by Schneider Electric Web site, www.apc.com. The online manual contains a Troubleshooting table and Service procedures that will give you guidance before you contact Schneider Electric IT (SEIT) Customer Support.

Register your product on-line. <http://warranty.apc.com>

APC by Schneider Electric IT Customer Support Worldwide

For country specific customer support, go to the APC by Schneider Electric Web site, www.apc.com.

Input	Voltage	220-240 Vac, nominal	Battery	Type (maintenance free, lead acid)	Lead acid, 12V (1 battery), 9 Ah
	Frequency	50/60 Hz		Average Life	3 - 5 years depending on the number of discharge cycles and environmental temperature
	Brownout Transfer	180 Vac, typical		Typical Recharge Time	8 Hours
	Over-voltage Transfer	266 Vac, typical		Battery Replacement Part Number	The battery in the Back-UPS is not user-replaceable. Contact SEIT Technical Support for a list of authorized service centers near you.
Output	UPS Capacity (total)	650 VA / 360 W	Physical	Net Weight	5.8 kg
	Voltage On Battery	230 Vac (step-approximated sinewave)		Dimensions (H x W x D)	20 cm x 11.5 cm x 25.6 cm
	Frequency on Battery	50/60 Hz ± 1Hz		Operating Temperature	0 °C to 40 °C (32 °F to 104 °F)
	Transfer Time	6 ms typical, 10 ms maximum		Storage Temperature	-15 °C to 45 °C (5 °F to 113 °F)
Protection and Filtering	AC Surge Protection	Full time, 273 Joules		Operating Relative Humidity	0 to 95% non-condensing
	AC Input	Resettable circuit breaker		Operating Elevation	0 to 3000 m (0 to 10,000 ft)