

Safety and General Information

Inspect the package contents upon receipt. Notify the carrier and dealer if there is any damage.

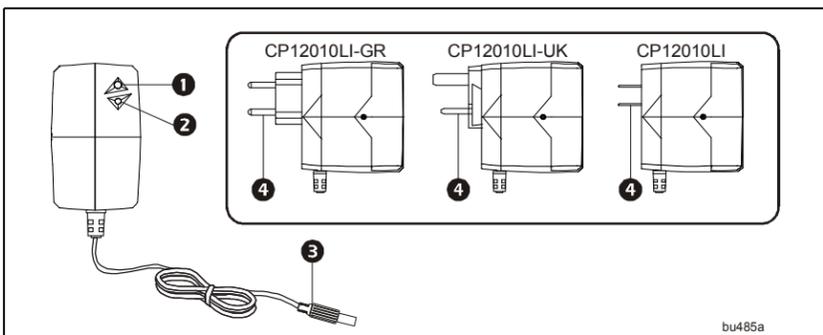
Read the Safety Guide supplied with this unit before installing the UPS.

- Adhere to all national and local electrical codes.
- Changes and modifications to this unit not expressly approved by APC could void the warranty.
- This UPS is for indoor use only.
- Do not operate this UPS in direct sunlight, in contact with fluids, or where there is excessive dust or high humidity.
- Do not operate the UPS near open windows or doors.
- Allow adequate space for proper ventilation.
- Always practice safe lifting techniques adequate for the weight of the equipment.
- The battery typically lasts for two to three years. Environmental factors impact battery life. Elevated ambient temperatures, poor quality AC power, and frequent short duration discharges will shorten battery life.

Package Contents

1 Back-UPS	3 transformer tips:
1 user manual	<ul style="list-style-type: none"> • F5.5*2.1/M3.5*1.35 • F5.5*2.1/M4.8*1.7 • F5.5*2.1/M5.5*2.5

Product Features



1 POWER ON/OFF button	<ul style="list-style-type: none"> • UPS will be automatically turn on when connected to utility power under normal utility condition. • Alarm mode: Press the POWER ON/OFF button to restart the UPS. • Battery mode: Power off: Press and hold the POWER ON/OFF button for 5 seconds to shut down the UPS, to avoid battery drain. Power on: Press and hold the POWER ON/OFF button for 3 seconds to turn on the UPS, if the utility is not available and battery is fully charged.
2 Indicator LED	Indicator LED will illuminate/flash to indicate the UPS status.
3 DC output connector	Connect the equipment to the DC output connector.
4 AC input	Connect the Back-UPS to utility power.

Installation

⚠ WARNING

RISK OF CHEMICAL HAZARD AND EXCESSIVE HEAT

- Replace the battery at least every 5 years.
- Replace the battery immediately when the UPS battery fault is detected at the end of its service life. Power off the UPS, unplug it from the AC input.
- Replace battery at the end of its service life.

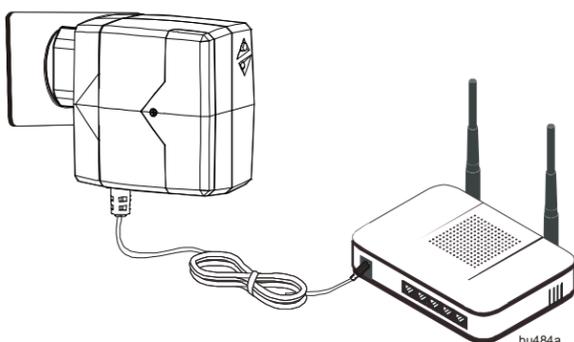
Failure to follow these instructions can result in death or serious injury.

Note: The battery is not user replaceable. Contact APC by Schneider Electric Worldwide Customer Support if there are defects in the product and the product is within warranty.

- Ensure that the capacity of the electric device is 12 V with 1 A or less, and the DC connector is (OD/ID) 5.5*2.1 mm.
- Choose the appropriate transformer tip to support the electric device.

Turn On the Back-UPS

Connect the Back-UPS to utility power at the wall outlet. The Back-UPS will turn on automatically. The indicator LED will illuminate green.



Note: The indicator LED will flash green if the Back-UPS is not completely charged. The Back-UPS will auto charge the battery.

Connect the Loads

Plug in the load to the DC output connector. The Back-UPS will help to protect the connected load.

Note: The Back-UPS is designed to provide backup power to all kinds of DC-powered equipment such as routers, modems, set-top box, VOIP phone systems, surveillance system, alarm system, access control system and other critical telecom equipment or DC devices.

Status Indicators

Visual indicator	Condition
Illuminates green	The fully charged Back-UPS is supplying utility power to the connected equipment.
Flashes green	The Back-UPS is supplying battery power to the connected equipment. However, the battery is being charged.
Quick flashes green	The utility power is not available. The Back-UPS is supplying battery power to the connected equipment. The battery is discharging.
Illuminates red	The Back-UPS has detected an internal fault. Contact APC by Schneider Electric.
Flashes red	The Back-UPS has detected that the battery is not connected, while the utility power is available to the Back-UPS.

Troubleshooting

Problem	Possible Cause	Corrective Action
The indicator LED illuminates red	UPS has detected overload or short circuit and has transferred to alarm mode.	Remove DC output connector from the DC devices or connected loads. Press and hold the POWER ON/OFF button for one second to restart the UPS.
The indicator LED flashes red	UPS has detected that battery is not connected or battery voltage is too low or battery is defective.	Remove the insulation film on the battery if it is not removed. If indicator LED flashes red even after the insulation film is removed, contact APC by Schneider Electric to replace the battery.
Battery backup time is shorter than nominal value.	The charge of the battery is low.	Contact APC by Schneider Electric to replace the battery.
No DC output and indicator LED is off.	The Back-UPS has detected an internal fault.	Contact APC by Schneider Electric.

Specifications

AC Input	Nominal Voltage	220 ~ 240 VAC
	Frequency	50 or 60 Hz
DC Output (On-Line mode)	Voltage	12 VDC ± 5%
	Maximum power (On-Line mode)	12 W (1 A) with battery fully charged
DC output (On-Battery mode)	Output voltage	11.4~12.6 V
	Rated output current	1 A
	Discharging efficiency	>80% (Rated R load, battery full charged)
	Backup time (Real routers)	120 minutes @ 12 V / 1 A
	Backup time (Constant load)	<ul style="list-style-type: none"> • 120 minutes @ 3 W • 90 minutes @ 5 W • 60 minutes @ 7 W
	Transfer Time	0 ms (Output voltage regulate 10 V) 10 ms (Output voltage regulate 11.4 V)
Battery	Type	Lithium-Ion Battery
	Nominal Voltage	3.6 VDC
	Capacity	2600 mAh
	Typical recharge time	4 hours typical for 90% capacity (with no load)
Physical	Net weight	200 g
	Dimensions in mm (D x W x H)	CP12010LI: 69 x 46 x 76 CP12010LI-GR: 88 x 46 x 76 CP12010LI-UK: 78 x 48 x 76
	Input plug	Mounted on the housing (NEMA/Schuko/UK)
	Output cable	1 m length (DC Male Jack, OD 5.5 mm, ID 2.1 mm)