

APC™ Replacement Battery Cartridges (APC RBC™)

Frequently asked questions



The only certified solution to restore a Smart-UPS or Back-UPS performance

APC™
by Schneider Electric

Topics

- Who purchases RBCs and why?
- How long do batteries last?
- What is in these batteries and are they safe to transport?
- What are APC's recommendations for managing my UPS batteries?
- How do I know what RBC my APC UPS uses?
- Why buy APC RBCs?
- What differentiates APC RBCs from other alternatives?

APC Replacement Battery Cartridge (RBC™) Applications and Typical customers

All Single phase APC UPS's with RBCs from 12 to 192VDC

- **Back-UPS**

Reliable battery backup and surge protection for the protection of PCs, network and other electronics.



- **Smart-UPS and Smart-UPS On-line**

Protects critical data and equipment from power problems by supplying clean and reliable network-grade power.



- **Home or small home office**
- **Small business owner**

- **Small business owner**
- **IT or Network Manager**

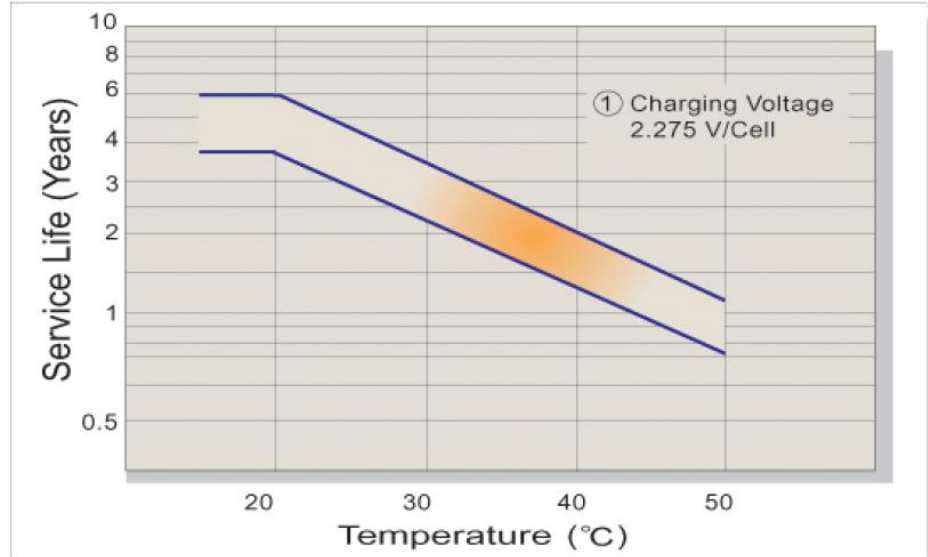
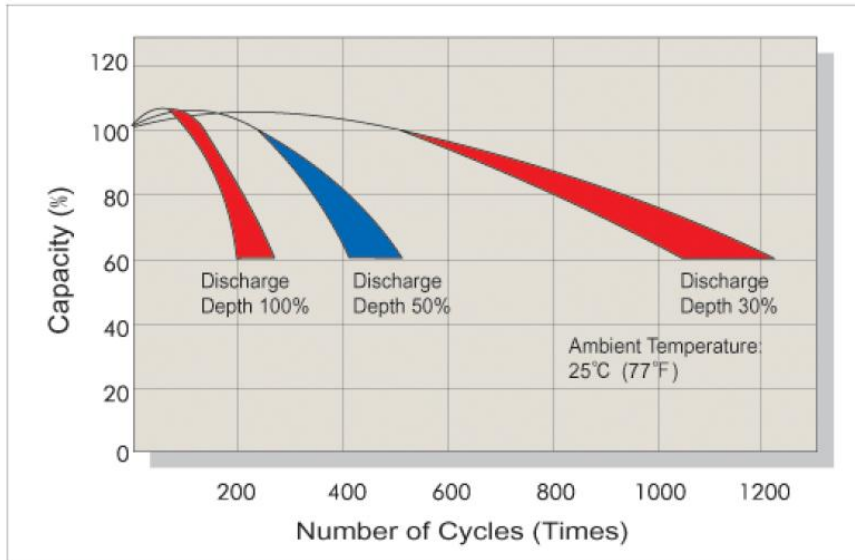


APC Replacement Battery Cartridge (RBC™) – Battery life considerations

Battery life is highly dependent on temperature



For every 10°C rise in temperature battery life is cut in half



Battery life is also dependent on usage

Every battery has a finite number of cycles

- **All UPS batteries wear out over time and will require replacement**
- Typical UPS battery life is 3-5 years
- Only APC RBCs are guaranteed to restore your UPS to its original specifications

APC Replacement Battery Cartridge (RBC™) – Best Practices

- Monitor and control UPS environment (20-25°C ambient is ideal)
- Monitor battery health via periodic self-test and runtime calibration
- Set appropriate warning thresholds in Powerchute™ software
- *Proactively* replace batteries between 3 and 4 years to maintain optimum UPS performance and availability
- If storing batteries for any prolonged period keep in a temperature controlled environment and periodically top charge



Our surveys show only 30% of our users proactively change their batteries – being proactive is always best as batteries can degrade rapidly at end of life

APC Replacement Battery Cartridge (RBC™) – standards and regulations

- APC RBC's are categorized as 'non-spillable' sealed lead acid batteries (**UN2800**) and are fully compliant with international regulations and protocols and are safe for transport
- RBC batteries are certified by their manufacturer to withstand the **IATA/ICAO vibration and pressure differential tests**
- RBC batteries are certified by their manufacturer as meeting the substance limits defined by the **European Union battery directive 2006/66/EC**
- **Material Safety Data Sheets (MSDS)** are available on our website
- RBCs are packaged for transportation and are not considered "Dangerous Goods" under **DOT and IATA** rules.

RBC Selection on apc.com

- Refer to the Upgrade Selector at http://www.apc.com/tools/upgrade_selector/index.cfm
 - Select based on Model

UPS Upgrade Selector

Step 1: Select your model > Step 2: Results

APC provides upgrade options and battery replacement solutions for both In-Warranty and Out-of-Warranty UPS products. Please enter your existing product information below to view recommended options.

Step 1

Find your model number

The model number can be found on a sticker on either the bottom or rear of your product. The location of the label as well as letter and number sequences will vary by model and product type.



Step 2

Enter your model number

Next

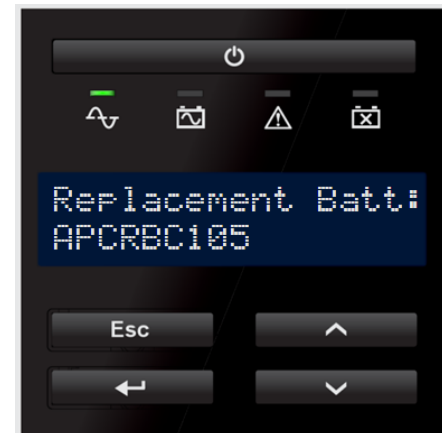
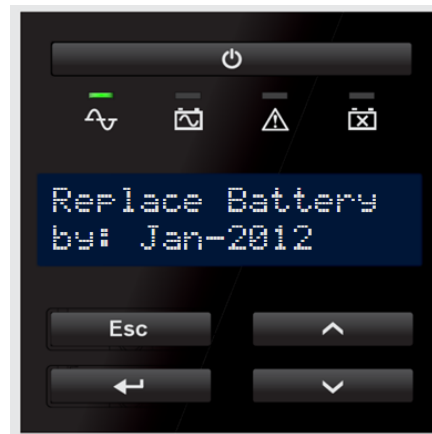
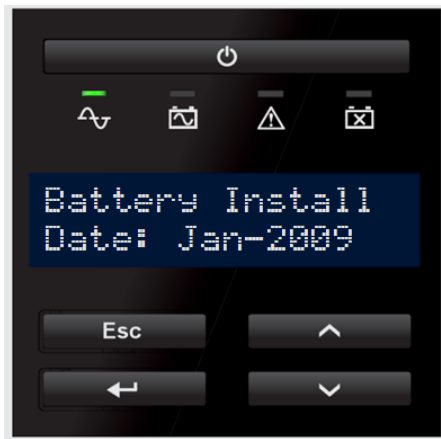
Or choose a model from the list

Filter By:

Model

RBC Selection (continued)

- Some Smart-UPS models* have: the battery install date, dynamic replace battery date indicator and show the applicable RBC in the “About” menu



**Smart-UPS models starting with SMT and SMX have this display*

Why APC RBCs? – Value Proposition

APC RBCs are a **safe, convenient and reliable** replacement battery solution for APC UPS customers to maintain their network availability during power events.

Unlike cheap, unassembled batteries from **unknown** sources, only APC's batteries are guaranteed to restore your UPS to its original operating specifications.

Fully assembled with clear instructions on how to install and dispose spent batteries, APC RBC's are the **smart choice** for peace of mind

APC RBC Differentiators

APC



APC RBC115 Batteries (



[Click to enlarge](#)

Feature /Attribute	APC	Competitor's	Importance
Guaranteed UPS compatibility	√	?	Provide peace of mind that your APC UPS conforms to important safety regulations and works in accordance with it's specification
Fully assembled and tested	√	?	Safe and reliable, all connections and fuses included
Easy hot-swap installation	√	?	Quick and easy, no downtime required
Re-usable packaging , clear instructions on how to dispose of spent batteries	√	?	No guesswork or hassles
Convenient pre-paid postage to a nearby recycling partner (availability varies by country)	√	?	Green