

Broadband Continuity

Keep the ONT powered. Help avoid unnecessary restarts.



A brief outage does not have to start a long wait.

DC backup for a compatible ONT, with power and connections selected for the installation.

Keep the ONT powered



Compact backup for the customer's connection.

A brief outage can leave the customer waiting for the ONT to restart and reconnect. If power fails again during recovery, the cycle can begin again.

ComponexX helps keep compatible 12 V ONTs and gateways powered. The installation starts with one output for the ONT; a separate router is added when the application requires it.

Avoid restarts caused by brief outages

Backup keeps the connected equipment powered during outages and repeated power fluctuations.

Keep the ONT running

The battery covers the local outage for the available backup time. Runtime depends on the load and battery.

Simple installation; optional router

One DC output powers the ONT. An optional Y cable allows it to be shared with a compatible router within the total limit.

Internet continuity also requires the operator's network and all other necessary equipment to remain operational.

The 15-second problem



Power returns. The wait continues.

An outage may last just 15 seconds. Restarting and reconnecting the ONT can take much longer. Backup helps prevent that process from starting.

WITHOUT BACKUP	WITH BACKUP
01 Power is interrupted	01 Power is interrupted
02 The ONT loses power	02 The ONT remains powered
03 Restart begins	03 Power-related restart is avoided
04 The customer waits or asks for help	04 Less interruption for the customer

The value for the operator

Fewer restarts can reduce avoidable calls, incidents and visits. Testing with the actual equipment helps evaluate that benefit.

Example of a brief outage. The result depends on connected equipment, available runtime and network continuity.

Start with the ONT

Add router backup when needed.

Select the solution around the ONT or gateway installed by the operator and the required backup time.

Program stage	Focus
1	Adapter — 12 V DC supply
2	Mini UPS — Battery backup
3	ONT — Operator equipment

Maintain

Help keep the ONT running during local outages, avoiding restarts caused by power loss.

Protect

Protection against battery overcharge and overdischarge, overvoltage, overcurrent and short circuit.

Simplify

One output for the ONT. Optional Y cable for a compatible router when it also needs backup.

Backup that fits the deployment

Identify the equipment that must remain powered.

Application	Where backup helps
Fiber to the home	Compatible 12 V ONT or gateway at the subscriber connection.
Cable broadband	Modem or gateway compatible with the UPS electrical requirements.
Home and home office	Access equipment that supports daily activities and remote work.
Small business	Compatible access equipment during brief local outages.

Program stage	Focus
1	One ONT — Initial installation
2	Optional Y cable — When needed
3	ONT + router — Both compatible

Capacity is shared

On the CX-1202UPS, both devices share a maximum total of 2 A / 24 W. The Y cable does not increase available power.

EQUIPMENT EXAMPLE

6000 mAh DC Mini UPS

CX-1202UPS-6000mAh

12 V backup for a compatible ONT, modem or gateway, with a single output and rechargeable lithium-ion battery.

Feature	Configuration
Input	12 V DC / 3 A
Output	One 12 V DC / 2 A output
Maximum power	24 W total; shared when using a Y cable
Battery	6000 mAh; rechargeable 18650 cells
Approximate dimensions	110 × 60 × 25 mm
Installation	Desktop or wall installation using the rear mount
Protection	Overcharge, overdischarge, overvoltage, overcurrent and short circuit

One output. Flexible backup.

Runtime is measured with the actual load. Equipment, battery condition and charge level determine available backup time.

The solution around your equipment



Start with the installed ONT, modem or gateway.

Confirm electrical compatibility and evaluate backup with the actual equipment. Include a separate router only when needed.

What to check	Why it matters
Voltage and polarity	Power must match the equipment input.
Connector	Verify dimensions, fit and retention.
Total load	Include startup and any connected router.
Runtime	Test the complete configuration for the required time.
Power loss and restoration	Observe behavior during brief and repeated outages.

Lower load, more available runtime

Test with all equipment that will be connected. Battery and operating conditions also affect the result.

Start with the need

Expand the options when deployment requires it.



In addition to the single output with an optional Y cable, other models with different outputs or battery capacity can be evaluated.

Reference for another model	Output or limit
Input	12 V DC
Two 12 V outputs	Up to 2 A per port
One 9 V output	Up to 1 A
USB QC 3.0	5 V / 3 A or 9 V / 2 A
Combined maximum	27 W across all outputs

The power budget is shared

Individual port capacities are not added together. This 27 W model is different from the 24 W CX-1202UPS.

Select the model, connections and battery capacity for the application.

From equipment to the operator's program

Support from evaluation through deployment preparation.

Program stage	Focus
1	Equipment — Compatibility and runtime
2	Connections — Cables, connectors and mounting
3	Presentation — Branding, packaging and documents

Evaluation with your CPE

Review continuity during brief outages, backup time and behavior when power returns.

Connection set

Coordinate connectors, lengths and the optional Y cable with the load and equipment limits.

OEM and private label

Operator identification, labels, packaging and documentation around the selected configuration.

A model number or a clear photo of the power label is a useful starting point.

LET'S TALK

Put continuity to the test

Product information and samples to evaluate with your equipment.



Share the equipment model, a photo of its label and connector, the devices needing backup and the desired runtime.

Start with your need

A photo, part number or short description is enough to begin. We review the details together.