



Telecom & ISP Backup Power Solution Catalog

ISP & Telecom Backup Power Solution Guide

Compact BBU Solutions for Router, ONT, Gateway & ISP Projects

A lightweight exhibition guide for broadband, CPE, FTTH and network backup projects.



12V 2A / 3A Mini UPS



12V 5A High Power Mini UPS



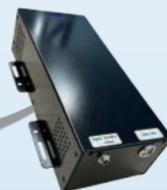
LiFePO4 BBU



USB-C PD Mini UPS



Multi-Port Mini UPS



24V/48V DC UPS

MYLION supports compact backup power for router, ONT, gateway, CPE, IoT cabinet, outdoor network and selected 24V/48V edge backup applications.



Built for Professional Broadband Buyers

Designed for telecom, ISP, CPE and distribution customers who need model matching, sample evaluation and project-based backup power support.

ISP / Broadband Provider

Router, ONT, ONU and gateway backup evaluation for subscriber-side continuity.

Telecom Operator

Access network, edge equipment and selected small cabinet backup applications.

CPE / Router Brand

DC and USB-C PD backup options for gateway bundles and private-label projects.

System Integrator / Distributor

Structured model matching for real deployment, not one-size-fits-all selling.

Why Backup Power Matters

- Power outages can disconnect ONT, ONU and routers even when the fibre line is still available.
- Wrong BBU selection may cause reboot, instability or short runtime.
- Bulky AC UPS products are often not ideal for compact broadband deployment.
- Modern USB-C powered gateways require suitable PD backup design.

A better BBU recommendation starts with voltage, real working current, connector type and target backup time.

Typical Application Scenarios

Let the customer quickly find their own use case before talking about models.

Router / Modem Backup

Home broadband and small office network continuity.

ONT / ONU Backup

FTTH subscriber-side access devices and last-mile continuity.

Gateway / CPE Backup

Higher-load 12V or USB-C powered broadband devices.

IoT Cabinet Backup

Remote monitoring, sensors, routers and control box applications.

Outdoor CPE / AP / CCTV

Outdoor CPE, wireless AP and low-power monitoring sites.

Security Network Backup

CCTV, IP camera, access control and small security network devices.

Product Family Coverage

12V Mini DC UPS Series

Router / ONT / ONU backup



LiFePO4 BBU Series

Gateway / CPE projects



USB-C PD BBU Series

Modern USB-C powered CPE



Multi-Output Backup Series

Mixed DC + USB devices



Solar Backup Kit Series

Outdoor CPE / AP / CCTV



24V / 48V LFP Series

Cabinet / UPS / telecom battery



Model Selection Matrix

Show key starting models only. More models are available by project requirement after application confirmation.

Customer Need	Product Picture	Starting Model	Best Fit	Selection Note
Standard 12V router / ONT backup		MU26 / MU68	Mainstream ISP FTTH CPE backup	Compact DC backup for common broadband devices
Higher-power 12V gateway / CPE		MU35	High-power CPE and router projects	Confirm real working current before selection
USB-C powered gateway / CPE		MUC85	Modern USB-C PD devices	Confirm PD profile, cable and total output power
Mixed DC + USB device backup		MUJ46	Router + USB accessory backup	Use when one unit must support DC and USB outputs
IoT cabinet 5A DC backup		MU05	Cabinet, CCTV, enterprise network	Check load, heat, installation and runtime
Outdoor CPE AP / CCTV		MUL268S	Outdoor and remote low-power sites	Confirm panel size, weather exposure and autonomy
24V / 48V edge equipment		MU248	Small cabinet, UPS, telecom battery	For higher-voltage project discussion

More models available by project requirement

MYLION has additional Mini UPS and DC BBU models for different voltage, current, connector and runtime requirements. Share the device specifications first, then we recommend the suitable model.

Public catalog boundary

This guide shows the key selection logic. Detailed data sheets, certificates and quotations are provided after customer qualification and application confirmation.

Core Starting Models for ISP / CPE Backup

Keep the main catalog focused: standard 12V, high-power 12V and USB-C PD backup.



MU68

Standard 12V router / ONT backup

45Wh class | 12V DC | 3A class

For mainstream router, ONT, ONU, modem and FTTH CPE backup applications.



MU35

Higher-power 12V gateway / CPE backup

77.7Wh class | 12V DC | 5A class

For higher-load routers, gateways, mesh routers and selected CPE devices.



MUC85

USB-C PD backup for modern network devices

92Wh class | Type-C PD 65W class

For USB-C powered routers, CPE, gateways, mesh systems and network devices.

Additional Models for Project Matching

For mixed-output, cabinet, security and edge backup applications.



MUJ46-2A

Slim multi-output backup for mixed devices

38.48Wh class | 12V DC + USB-A + USB-C

For mixed-device backup where one unit must support DC and USB-powered equipment.



MU05

IoT cabinet / 5A DC backup

44.4Wh class | 5A class DC backup

For cabinet, CCTV, enterprise network and IoT backup applications.



MU248

24V / 48V backup for edge equipment

102.4Wh LFP | 48V + 24V outputs

For edge equipment, small cabinet, security and higher-voltage backup discussion.

Project Support, Customization & Quality Control

Support that helps buyers move from model selection to sample evaluation and project deployment.

Model Recommendation

Select starting models by device voltage, working current, connector and backup time.

Sample Evaluation

Support sample discussion before pilot or bulk project decisions.

Customization

Connector, cable, adapter, label, packaging and selected project requirements.

Quality Control

100% inspection, output verification, charge / discharge check and pre-shipment validation.

Documents

Datasheet, user manual, UKCA, UN38.3, MSDS, CE, FCC, RoHS, IEC62368 when available for selected models.

Bulk Order Follow-up

Support for pilot order, mass production, packaging confirmation and shipment coordination.

How We Work With ISP / CPE Customers

A clear process helps buyers move from interest to sample evaluation.

01

Confirm Requirement

Device type, voltage, current, connector, backup time and installation environment.

02

Recommend Starting Model

Suggest 1-2 suitable models instead of sending a random full model list.

03

Sample Evaluation

Provide sample information and key test points for customer evaluation.

04

Pilot Order

Confirm connector, adapter, label, packaging and project requirements.

05

Mass Production

Controlled production, outgoing inspection and shipment coordination.

Connect With MYLION at the Show

Scan to connect. Product details will be sent after application confirmation.

WhatsApp Follow-up



Scan and send a short message.
We will follow up with the right model information.

LinkedIn Connection



Connect with MYLION for updates and B2B
backup power discussions.

For the correct BBU model recommendation

Please share device voltage, real working current, connector type and target backup time.

We will send suitable model information by email or WhatsApp after the show.

Shanghai Mylion New Energy Co., Ltd.

Hunan Mylion Technology Co., Ltd.

Mylion Power, Inc. USA

- Device type: router, ONT, gateway, CPE, IoT cabinet or other equipment.
- Voltage, real working current and connector type.
- Target backup time and expected project quantity.
- Project stage: sample evaluation, pilot run, tender or mass deployment.

Certifications Available by Model

CE LVD FCC CB RoHS UN38.3 UK
CA