mUPS

The mUPS is a PoE injector with battery backup capability with a 12 V battery connector. It works just like a Gigabit PoE injector, but when power is lost, it switches over to the 12 V battery. Even if your power source is 28 V, the connected RouterBOARD will not reboot when the power source is lost, it will switch over to the 12 V battery transparently. The LEDs indicate DC line or battery usage, the charging of battery and low battery level (<50%).



In RouterOS it is possible to detect when running on battery power by monitoring the input voltage with scripting, since the voltage will change without a RouterOS reboot.

The mUPS is a simple and compact device to make your network more reliable, or for situations where stable power input is not available, like solar or automotive installations. You can use the mUPS with any single 12 V battery (AGM, Gel, Lead Acid, regular car batteries, deep cycle marine batteries, etc.).



For example, when using a typical 7Ah battery, our popular wAP access point would work up to 20 hours and the LHG would work for up to 10 hours when powered only by the battery (if ambient temperature above 10C). Please note that in low ambient temperature your baterry capacity will be lower than nominal. You can refer to your battery datasheet for exact data.



Specifications

10/100/1000 Ethernet ports	2
Short detection time	~50 us
Short protection delay	~20 ms
After short recovery time	~1 s
Measurement update time	~45 ms
PoE in	12 - 28 V
PoE out	Depends on power source: When input 12 - 24 V = 24 V When input > 24 V = same as input When powered by battery = 20 V
DC in	12 - 28 V
Battery connector	Female tab terminal 6.3 x 0.8 mm
Battery charging current	1 A max
PoE out max current limit	700 mA @ 24 V; 1 A @ 20 V (powered by battery)

Included



24 V 1.5 A Power adapter



Screw kit



Gigabit PoE injector



Plastic zip tie



Battery DC wire with T2 Tab terminal (also fits T1)



Mount bracket

Note: 12 V battery not included and must be mounted elsewhere.