

# 24VDC UPS POWER SUPPLIER WITH BACKUP BATTERY

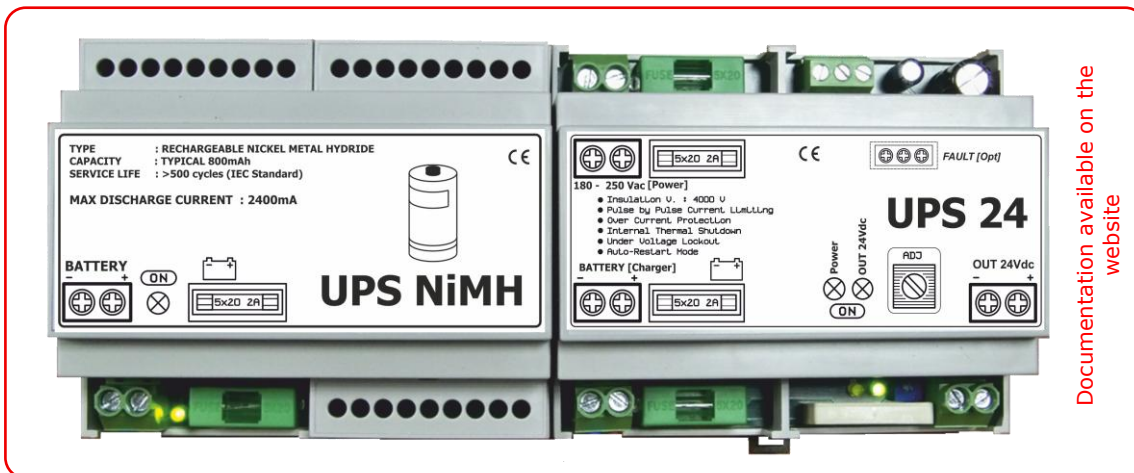
IT SAVES THE CONTINUITY OF THE SERVICE OF POWER  
LOAD EVEN WITHOUT PRIMARY SOURCE OF POWER  
(230VAC SINGLEPHASE)

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## UPS24+UPS24NiMh

3 different models available

- UPS24 FULL KIT V
- UPS24 FULL KIT H
- UPS24 FULL KIT NiMH



Documentation available on the website

### Operation

#### NORMAL OPERATION

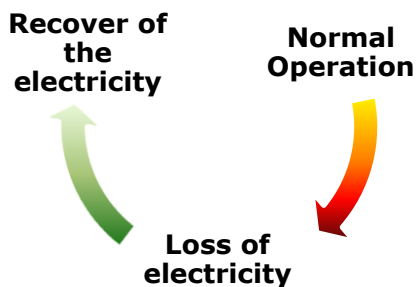
During normal operation, the mains electricity provides as the 24 Vdc output as the power supply to the inner circuit of the device which consists of a switching power supplier with a high efficiency and a low heat dispersion.

The status relay (which is in positive safety) makes available a signaling "Normal Operation" working contact or 24Vdc power supply guaranteed by the presence of the electrical network.

#### RECOVER OF THE ELECTRICITY

When the power returns, the load is switched to the power supply while the batteries are connected to the battery charger to ensure their efficiency to a next use.

The status relay (which is in positive safety) makes available a signaling "Normal Operation" working contact or 24Vdc power supply guaranteed by the presence of the electrical network.



#### LOSS OF ELECTRICITY

Upon failure of the electricity network, the 24Vdc output is switched on the batteries which provide, according to their capacity (Ah), to support the load in time during the waiting for the recover of the electrical network.

The status relay switches to make available to the rest contact signaling "Battery operation mode".

In the case of **UPS24 FULL KIT NiMH**, if this time exceeds the capacity of the batteries, a sensor provides to disconnect the **load to prevent their own damage for deep discharge, thus saving their functionality.**

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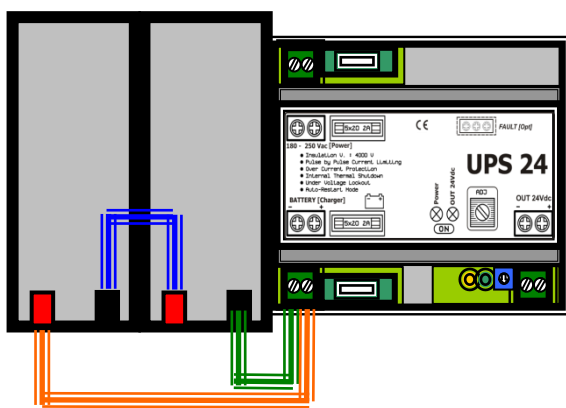
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## Applicazioni tipiche

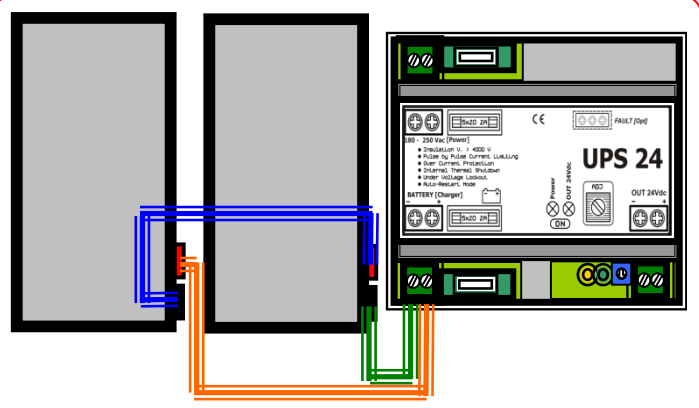
The typical application of the product consists in providing power supply to devices that stay operative even in case mains fault (backup power).

- ✓ Power of lighting in case of blackout
- ✓ Power supply for electrical automation devices (PLC, panel operator, industrial PCs etc.)
- ✓ Power supply of devices for home automation industry
- ✓ Power supply of access control devices
- ✓ Power supply of safety devices
- ✓ Power supply of video surveillance devices
- ✓ Power supply of GSM network management devices WIFI
- ✓ Power supply of identification devices
- ✓ Power supply of sound signaling devices

## KIT



**UPS24 FULL KIT V**  
Sealed LEAD batteries (GEL)



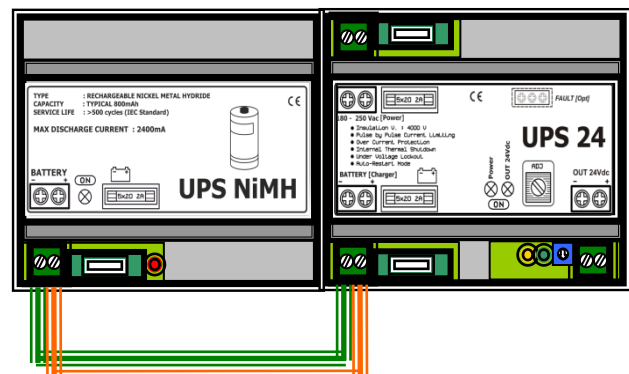
**UPS24 FULL KIT H**  
Sealed LEAD batteries (GEL)



[www.bytronic.it](http://www.bytronic.it)



[UPS24.php](#)



**UPS24 FULL KIT NiMH**  
(NICKEL METAL HYDRIDE)  
**6 DIN BATTERY MODULE NiMH**

The features and performance of the product described in this document are not binding and may be changed at any time without notice by Bytronic.

### WARRANTY

Legal warranty. It has not provided any further express or implied warranty. In no case Bytronic can be liable for consequential or special damages of any kind arising from the use of its products or lost profits.

**THE WARRANTY DOES NOT APPLY IN CASE OF  
IMPROPER USE**

### Bytronic s.r.l.

Via Como, 55  
21050 Cairate (VA) - ITALY  
Tel: ++39 0331 312523 - Fax: ++39 0331 313077  
Internet: [www.bytronic.it](http://www.bytronic.it) - e-mail: [bytronic@bytronic.it](mailto:bytronic@bytronic.it)  
skype: bytronicvarese