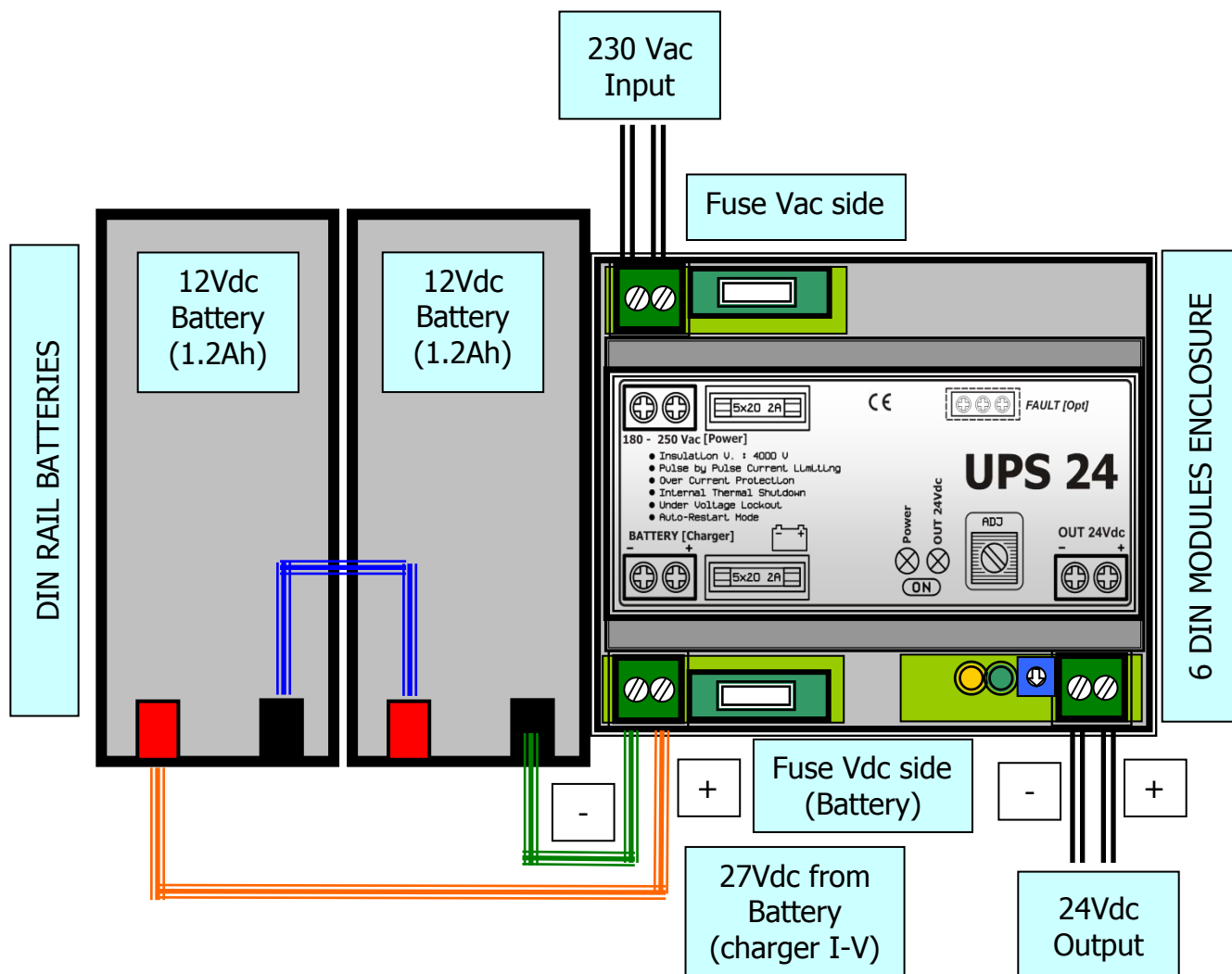


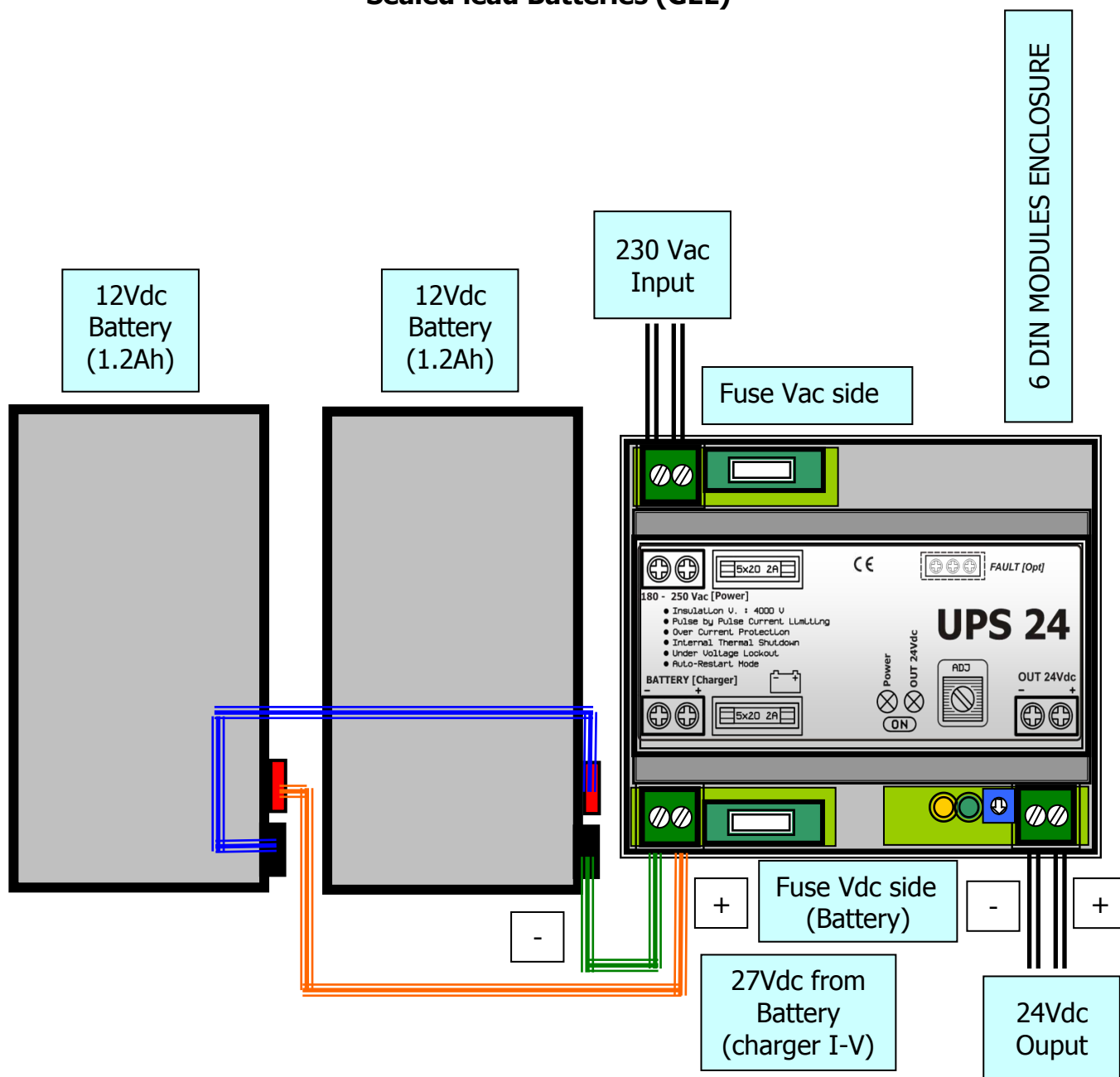
TECHNICAL SHEET**UPS24****0.5A-24Vdc POWER SUPPLIER
0.3A BATTERY CHARGER (characteristic I-V)**

- **BACKUP: 24Vdc power supplier – battery power supply (27VDC)**
- **SWITCHING TECHNOLOGY**

**UPS24 FULL KIT
Sealed lead batteries (GEL)**

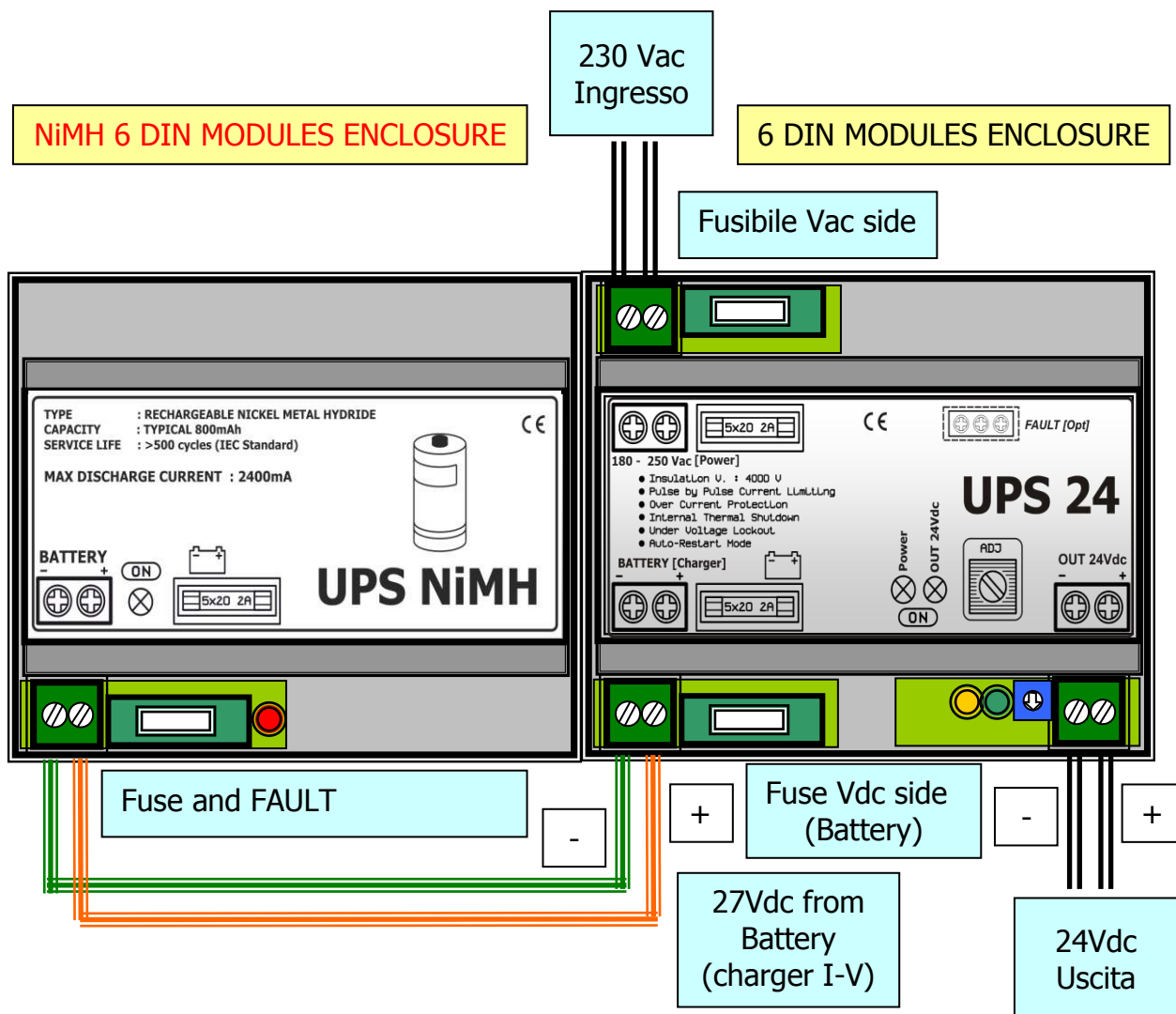
TECHNICAL SHEET

UPS24 FULL KIT H Sealed lead Batteries (GEL)



TECHNICAL SHEET

UPS24 FULL KIT NiMH (NICKEL METAL HYDRIDE) **NiMH 6 DIN Battery Module**



TECHNICAL SHEET**Specifications of the UPS24 Power Supplier**

INPUT RANGE (MIN <-> MAX)	:	180 ~ 260Vac	50-60 Hz
OUTPUT RANGE	:	24 Vdc - 0.5 Adc	
STANDARD CONFIGURATIONS	:	[24 Vdc - 0.5 Adc] Output Power Supplier [27 Vdc – 0.3 Adc] Output Battery Charger <i>(o other advisable limiting value)</i>	
MAX OUT PEAK CURRENT	:	[24 Vdc – 1 Adc] power supplier [27 Vdc – 0.5 Adc] battery charger	
INSULATION VOLTAGE	:	IN <--> OUT 4000 Vdc	
MECHANICAL	:	6 DIN RAIL	
PROTEZIONE	:	IP20	
TEMPERATURE	:	-5 / +45 °C	
WEIGHT	:	0.25 Kg	

Specifications of the batteries

BATTERY	:	12 Vdc 1.2 Ah x 2 or 12 Vdc 0.7 Ah x 2 SEALED LEAD GEL BATTERY (DIN RAIL MOUNTING) or 24Vdc NiMH BATTERY 6 DIN RAIL MODULES
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TECHNICAL SHEET

General specifications

UPS SWITCHING POWER SUPPLIER (MOSFET CONTROLLED)

- Operation at a fixed and controlled frequency
- Low Current Start-up
- Pulse by Pulse Current Limiting
- Over Current Protection
- Over Voltage Protection
- Internal Thermal Shutdown
- Under Voltage Lockout
- Internal High Voltage Sense FET
- Auto-Restart Mode

FOR UPS24 FULL KIT NIMH AUTOMATIC LOAD DISCONNECTION TO PREVENT BATTERY DAMAGE FOR DEEP DISCHARGE, THUS SAVING BATTERY FUNCTIONALITY.

Performance

- **STAND-BY POWER CONSUMPTION:** < 1W (EuP)
- **RIPPLE:** < 3%
- **TRICKLE CHARGE TO ENSURE LONG LIFE BATTERY**
- **STANDARD CHARGE DIN 41773 (IU)**

STANDARD:

- | | | |
|------------------|---|-------------------|
| - Safety | : | EN 61010-1 CAT II |
| - Accuracy | : | EN 60688 |
| - Emc (immunity) | : | EN 61000-6-2 |
| - Emc (emission) | : | EN 61000-6-4 |

TECHNICAL SHEET**General requirements**

UPS24 KIT (power supplier and battery charger) can be installed in any electrical panel with cover or door or in an indoor environment.

The installation must allow a minimal heat dissipation.

A main switch, load-break or disconnect, must be installed.

The device is internally equipped with the mains protection fuse, 2A slow-blow type.

Operation*Main (230Vac) live*

24Vdc 0.5A output in NORMAL operating mode to power then connected load.

Output 27Vdc 0.3A (or other value of the battery charging current or voltage not exceeding 0.5A) to charge the batteries and preserve their state of efficiency over time.

Main (230Vac) fault

An internal sensor switches the load to the batteries.

If the batteries are the type 1.2Ah then 1A is available for 1 hour; if the batteries are the type 0.7Ah then 0.5A is available for 1 hour.

The battery voltage decreases starting from 27Vdc (full charge) over time.

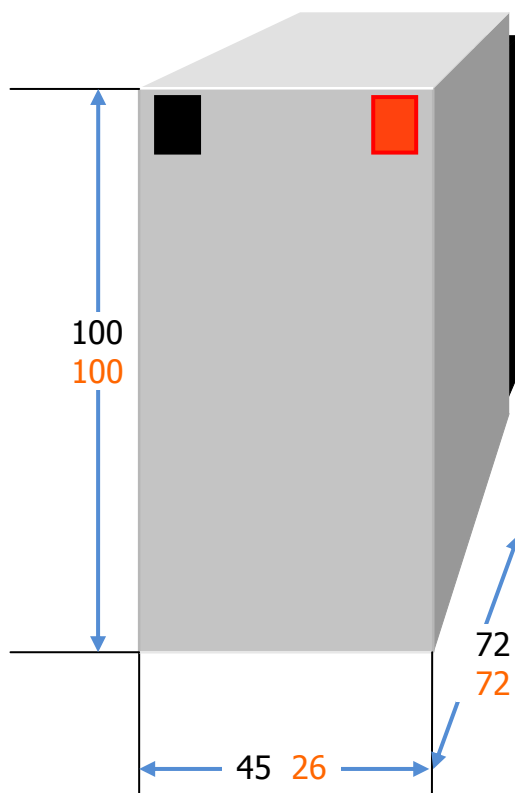
In **UPS 24 FULL KIT NiMH** model, when a voltage of 20Vdc is reached, an internal protection disconnects the battery to prevent its own damage due to excessive discharge.

Main (230Vac) restored

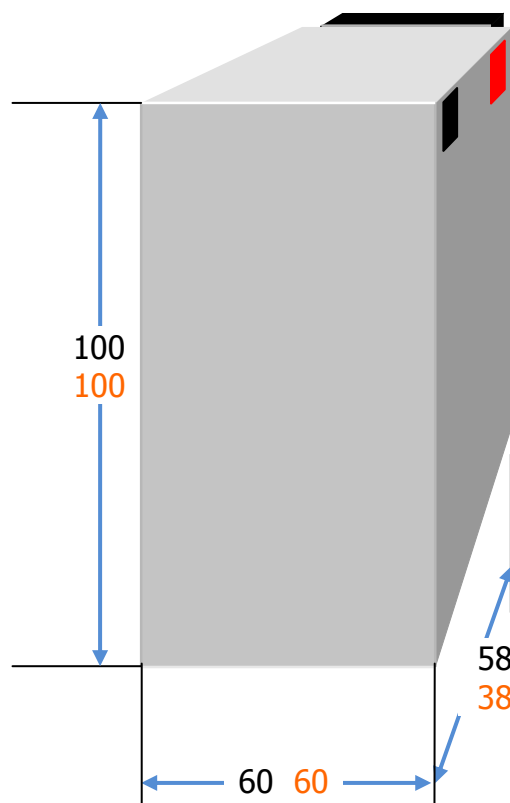
An internal sensor switches the load from the batteries to main power (24Vdc).

The disconnected batteries return in charge mode for next need.

UPS24 FULL KIT V	(vertical DIN RAIL battery mounting)
UPS24 FULL KIT H	(horizontal DIN RAIL battery mounting)
UPS24 FULL KIT NiMH	(6 DIN RAIL mounting)

TECHNICAL SHEET**Vertical Set Sizing**

0.7 Ah Model
1.2 Ah Model

Horizontal Set Sizing

0.7 Ah Model
1.2 Ah Model

TECHNICAL SHEET

GEL Lead Battery DIN RAIL Option



Fault Relay Option

"FAULT RELAY" OPTION
(ADD **FR** TO THE CODE IN THE ORDER)

