

# HEDEFSAN

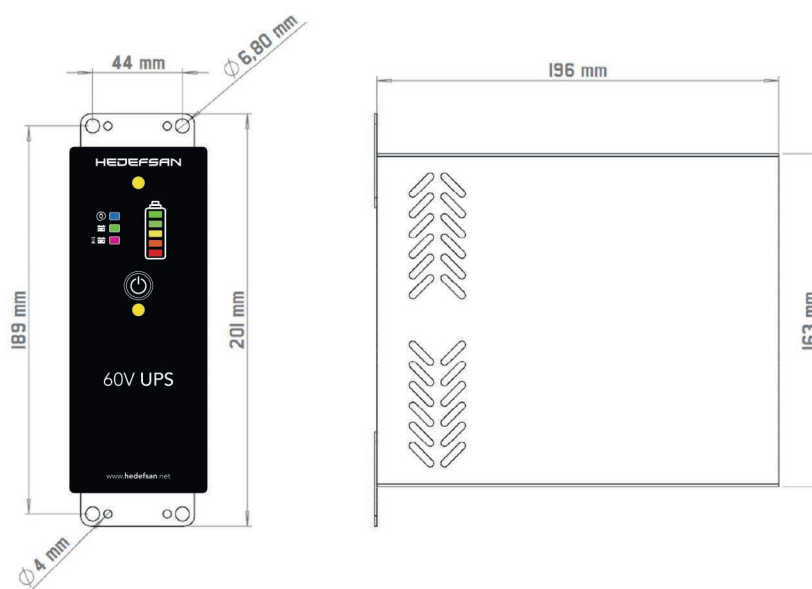
## HD UPS 60V 800VA UNINTERRUPTIBLE POWER SUPPLY

### USER MANUAL



### 1. Device Description

- The device is powered by 5 12v 7ah lead acid batteries. The one that cuts off the batteries when there is mains energy It is considered healthy through 220Hz safe signals after the power is cut off (kg)
- It is specially designed for elevator control panels with speed control device inside. Not suitable for direct elevator drive motor operation
- The device provides pure sine output, unlike ordinary kgk's, and provides at least mains quality supply performance. The advanced charging algorithm is designed to get the longest service life from the batteries.
- Device output is isolated from mains However, in cases where there is energy in the network, the device transfers the network to its own output. This just means that the output is not isolated from the mains at that moment
- The device is available in a durable and space-saving painted sheet metal box to be mounted on the elevator control panel. The dimensions are as follows



## 2. Way of working

### a) Mains available;

The device is on and the batteries are in charging mode Mains phases are seen directly at the device output, that is, if there is a network, the device directs the network to its output (out L and out N). Even if a possible malfunction occurs in your device. It does not prevent the normal operation of the elevator, only the recovery operation will fail

### b) No mains

The device is fed from batteries and produces 220 vac/ 50hz at its output ( out L and out N ) for 210 seconds Output is turned off after 210 seconds

### Delayed exit (out GL)

The device has a time-adjustable delayed output to meet the need for possible late energizing in the panels. It gives output 15 seconds (adjustable) after the UPS is activated and outputs.

Turns off after 210 seconds of recovery time

### Setting the duration of the delayed output

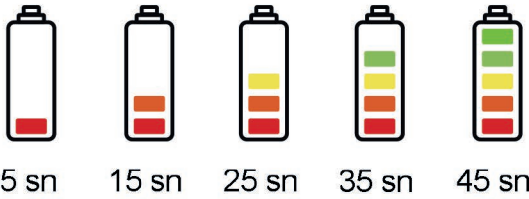
This adjustment can be made during mains feeding. Allows to select values between 5 seconds and 45 seconds

#### Step 1:

Press the power button for  10 seconds and see the  battery returns flash

#### Step 2:

Each time you press and hold the power button, the battery charge rate will change, so set the desired time from the image below and wait for 5 seconds. The time you set will now be valid permanently.



### c) Repeat your recovery process.

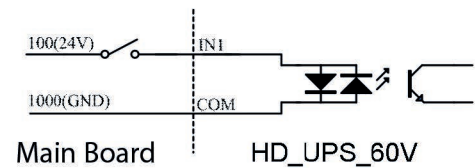
Device will shut down after 210 seconds of recovery after mains failure  
The recovery process can be repeated with the following 2 methods

**Method1 :** By pressing  the power button.

The maintainer or, for that matter, the licensed personnel can restart the recovery process by pressing the power button 1 time recovery will still take 210 seconds

**Method 2 :** By triggering from external input ( in\_cm )

With the triggers coming from the motherboard or a similar mechanism, the recovery process can be repeated just as in the previous method.



External Trigger Input Basic Wiring Diagram