



**Product ID:** IPexCH

**Category:** Uninterruptible power supply system

IPexCHD is an uninterruptible power supply system for IPex04, IPex16 and IoTconnector devices, which is characterised by its intelligent battery charger, output current monitoring system, integrated watchdog system for protection of the device connected to the output and its power failure notification system.

With its RS-232 interface, it allows the monitoring of the parameters of battery voltage, supply voltage, charge current, etc., as well as the configuration of maximum current limits supplied to the load.

## TECHNICAL SPECIFICATIONS

|                                         |                                                                          |
|-----------------------------------------|--------------------------------------------------------------------------|
| <b>Power supply</b>                     | 9-14V                                                                    |
| <b>Type of battery</b>                  | Lead 12V                                                                 |
| <b>Configuration</b>                    | AT commands                                                              |
| <b>Maximum battery charging current</b> | 750mA                                                                    |
| <b>Maximum output current</b>           | 2.5A (protected by resettable fuse)                                      |
| <b>Power failure output</b>             | NPN type open collector                                                  |
| <b>Watchdog input</b>                   | Potential-free digital                                                   |
| <b>Ports</b>                            | 1 RS-232 port for configuration, monitoring and cleaning of the watchdog |
| <b>Configuration and monitoring</b>     | AT commands                                                              |

## ENVIRONMENTAL CONDITIONS

|                            |                           |
|----------------------------|---------------------------|
| <b>Working temperature</b> | -20 a 85°C                |
| <b>Humidity</b>            | 5% ~ 95% (non-condensing) |

## ORDERING INFORMATION

|                               |        |
|-------------------------------|--------|
| <b>Minimum order quantity</b> | 1      |
| <b>Order reference</b>        | IPexCH |

## CONSTRUCTION FEATURES

|                             |                    |
|-----------------------------|--------------------|
| <b>Dimensions</b>           | 35x90x58mm (W/H/D) |
| <b>Material Box</b>         | ABS plastic        |
| <b>Type of mounting</b>     | DIN rail           |
| <b>Degree of protection</b> | IP20               |

## CERTIFICATES AND DECLARATIONS

|                  |                                                                                     |
|------------------|-------------------------------------------------------------------------------------|
| <b>Standards</b> | UNE-EN 55032:2016+AC:2016-07+A11:2020+A1:2021 Clase B<br>UNE-EN 55035:2017+A11:2020 |
|------------------|-------------------------------------------------------------------------------------|



RoHS (2011/65/UE)  
EMC (2014/30/EU)