



SFP54.4 A panel of full power

Power Supply “UPS” to support: Fire & Voice Alarming Systems

The advanced Uninterruptible Power Supply for alarm system EN54-4



- Specific device for application in Fire Protection systems. Designed for 2 or 3 outputs to load protected by overload and short circuit, fault indication, eliminate the deep discharge of the batteries.
- Compensated battery charging in temperature.
- Input: Single-phase 115-230-277 Vac
- Output: 12-24-48 Vdc
- Temperature compensation
- Deep Discharge protections
- Charging curve IUoUO, constant voltage and constant current Battery Life Test function (Battery Care)
- Four charging state: Absorption, Boost, Float and Recovery
- Protected against short circuit and inverted polarity
- Signal Output (contact free) for discharged or damaged battery, Modbus, Mains/Back-Up
- Combined with DC UPS series
- Wall Mount
- Protection degree IP31
- Comply with EN 54-4 (Pending Approval).

Fields



Recreational



Hospital



Metropolitan

What's Inside



Uninterruptible Power supply unit for fire protection and voice alarm system. It is possible to configure the device by choosing two different types of Display, DPY351 and DPY353 to meet all requirements of 54-4 Norm.

The devices can integrate all range CBI'S ADELSYSTEM and different battery sizes from 1.2 to 18Ah, Environment protection is IP31. The maximum total output current, depending on the type of CBI'S chosen, it can reach 20 A that can be distributed between load and battery. Complete range of Power supply output: 12, 24, 48 Vdc. CBI'S devices can supply the load and recharge & test the Battery. For Recharge & Testing battery feature, please refer to Technical Data CBI line.

When main fails, automatically the CBI'S switch the battery to the load without any output interruption. In any situation the battery is tested, charged, and temperature charging compensated, by an external temperature sensor. By DPY351 or DPY353 it is possible to monitor state and alarm that can be transmitted by Dry contact or by Ethernet true DPY351. The main alarms Type are: Battery Fault (Internal Impedance), Main or Back Up, Rectifier Fault.

SFP54.4 can be connected to other devices by ADELBus in loop configuration, CBI2801224A it is performed for this configuration, in this way it is possible to manage additional devices with only one Display DPY351. By use of DPY531 it is possible to detect electromagnets for fire doors, switch detector, ground Leakage, temperature environment, and it is possible to drive light or output sound alarm; those are only some examples. By LDC 3.5" suited on the front Panel it is possible to monitor in a dashboard the System situation, Event Log, History alarm, Battery situation, Back Up, Output Current and Voltage on the Load and Battery side for each device connected on the loop. On the display DPY351 are present also key board for the configuring and maintenance.





Devices Selection

Power Supply Units

It is possible to put inside the panel all range DC Ups "CBI line DC Ups ADELSystem. They are All In One products, they incorporate: Power Supply, Back Up - Battery Charger & Tester module and Power Management System. Power Management system is an automatic power sharing across Power Supply, Battery and Load. For all battery types. Battery Care is an Automatic diagnostic of battery status Including Life Test function; detect the Internal Battery Impedance. Input: 115/ 230/ 277 Vac; Output: 12, 24, 48 Vdc"



DPY351



Inside

Display 3.5" designed for heavy-duty use in a robust IP67, which allows you to manage multiple units by monitoring, configuring, storing and connecting remotely. A unique device, the first that allows all the functions to be enclosed inside for maximum performance at the highest levels of ADELSYSTEM devices.

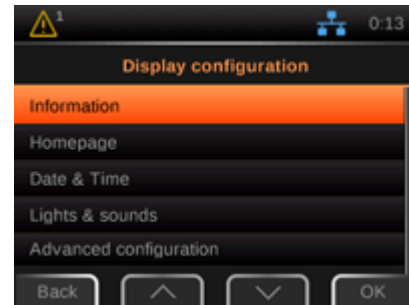
Display View



Dashboard



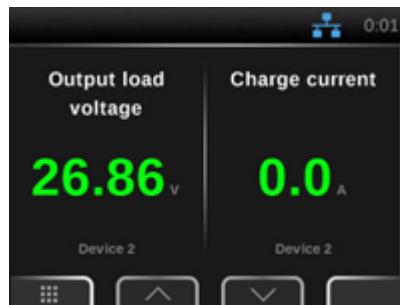
Homepage



Display Configuration



Customize "Six Values"



Customize "Two Values"



Customize "Single Value"



Notification Alarm

Gateway and Protocol

DPY351 it's a powerful device also as a gateway:

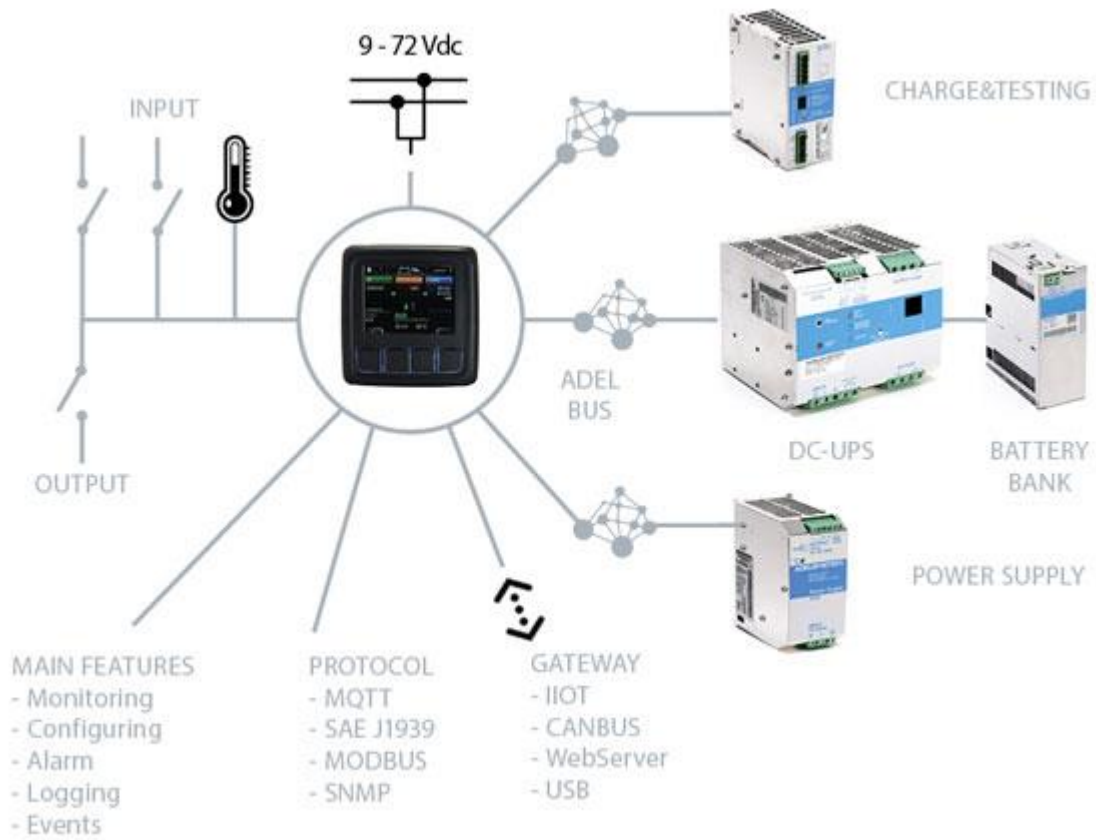
Web Server HTTP for Configuration and Driver the device by Ethernet; static or Dynamic IP

Modbus TCP/IP Configuration TCP/IP Configuration group of parameter default values. They allow unique identification of the unit in the network.

SNMP v2c An ADELSYSTEM MIB table is provided which consists of a list of parameters of the connected power device that can be remotely read, or read-written through the SNMP. Each parameter, (OID), is mapped one-to-one to a Modbus RTU holding register.

MQTT communication allows the DPY351 to connect to the ADELView System Cloud for the remote monitoring of the power devices connected to the DPY using Modbus or CANbus

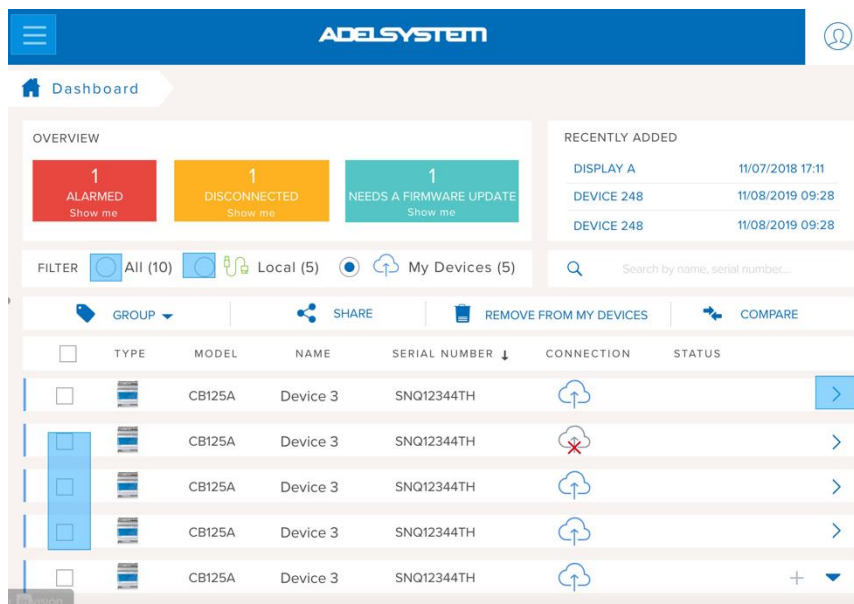
Schematic Environment DPY351



ADELViewsystem

Software

Swite for remote monitoring and management device connected in ADELBus network or in Cloud. It is possible to monitoring and configure the device, History Log, Data Log, for Mouth or Year.



Accessory

RJTemp



- RJTemp, for CBI's line. For temperature compensated battery charge.
- RJTemp temperature probe.DPY351 can measure environmental temperature and takes actions in relation to specified minimum and maximum values.

