



Power Supply Monitoring Sensor [PowerPi]

Power Supply Monitoring Sensor with integrated changeable battery enables constant monitoring of power supply, even in case of power outage lasting of up to 2 hours.

Characteristics:

- Creating a draft of power supply availability
 - Sending email notifications if there is an alteration in power supply availability
 - Sending syslog messages if there is an alteration in power supply availability
 - Recording the conditions during occurrence of a change in power supply availability
- Monitoring the integrated changeable battery:
 - Generating a graph of battery capacity and its temperature
 - Sending email notifications in case of battery outage
 - Sending syslog messages in case of battery outage
 - Recording the conditions during battery outage
- State of a sensor accessible via web site
- Autonomous check of integrated battery condition and its automatic charging
- Correct sensor switch-off in case of:
 - power outage and decline in capacity of the integrated battery
 - exceeding the limit of monitored battery temperature
 - exceeding the limit of monitored SBC temperature

Functions:

- Smart switch
 - Turn-on – briefly pressing the microswitch
 - Sleep mode – holding the pressed microswitch for 10 seconds
 - Power-off – holding the pressed microswitch for 20 seconds
- Chargeable LiPo battery
- Low input power required during sleep mode
- Replaceable battery without outage
- Automatic backup of configuration files
- Automatic monitoring and components cooling
- Possibility of monitoring using SNMP protocol
- Integrated real-time clock synchronized with NTP
- Implemented monitoring of internal processes with autonomous repair
- Implemented wireless hotspot for the purpose of tuning
- Mobile app for displaying the sensor condition

Hardware:

- Efficient SBC based on ARM platform is dedicated to running the sensor
- Innovative microcontroller designed for power management
- Certified EPS switch-mode network power supply source
- Components tested within the frame of CE and FCC

PW0 [20191204 - 23:26:01]

BATTERY Capacity



95 %

LINE State



ONLINE

BATTERY Temperature



24 C

BATTERY Status

CHARGED

SOURCE

LINE

FAN Status

OFF

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Last OUTAGE was:

20191204 22:27:02

