

Technical Specifications

AC Input (mains voltage)

| | |
|------------------------------|-----------------------------|
| Nominal voltage | 220 ... 240VAC, 50 ... 60Hz |
| Input current nominal / peak | 4.6A / 6.9A |
| Inrush current | 15A |
| Efficiency | typ. 94% |
| Power consumption no load | 4W |
| Power loss | no load: 4W, 1000W: 62W |

DC Outputs

| | | |
|---|--|------------------------|
| Output voltage | 24 ... 27VDC (adjustable in Loxone Config) | |
| | Mains powered | Battery powered |
| Total current nominal load (continuous) | 40A | 25A |
| Total current peak load (10sec) | 60A | 40A |
| Layout of outputs | 7 outputs with up to 10A each SELV and PELV capable | |

Battery Input

| | |
|--------------------------------|-------------------------------------|
| Nominal voltage | 36VDC |
| Discharge current peak load | 25A |
| Discharge current nominal load | 17A |
| Max. charging current | 2A |
| Battery type | Lead-acid, VRLA recommended |
| Max. length of battery cables | 2m / 6.56ft, fused close to battery |

Ambient conditions

| | |
|--------------------------|--|
| Ambient temperature | -25 ... 70°C / -13 ... 158°F Derating of 2% / °K above 45°C / 113°F required! |
| Humidity | max. 95% r.H. (non condensing) |
| Degree of Protection | IP20 |
| Installation | Mount on a DIN rail in a suitable distribution enclosure. Ensure heat dissipation by mounting horizontally in the lower area of the enclosure and providing a 50mm / 2" clearance below and above the unit. Do not cover ventilation openings. |
| Min. volume of enclosure | 100l / 6100 cu in |

Interface

| | |
|-------------|---|
| Loxone Tree | connection with Miniserver / Tree Extension |
|-------------|---|

Connecting terminals

| | AC Input, DC Outputs | Battery Input | Loxone Tree |
|---------------------------|---|---|--|
| Wire cross-section | 0.5 ... 2.5mm ² / AWG 20... 12 | 0.5 ... 4mm ² / AWG20 ... 10 | 0.28 ... 0.8mm ² / AWG23 ... 18 |
| Stripping length | 7mm / 0.28" | 8mm / 0.32" | 5 ... 6mm 0.2 ... 0.24" |
| Torque of terminal blocks | 0.5 ... 0.6Nm / 0.37 ... 0.44 lbf ft | 0.7Nm / 0.25 lbf ft | - |



For more information
about this product, visit
loxone.com/help/powersupply-backup

**Loxone
Electronics GmbH**
Smart Home 1
4154 Kollerschlag
Austria

Loxone UK
The Forum
Station Road
Theale, RG7 4RA
United Kingdom



For additional information,
declaration of conformity, visit
www.loxone.com/datasheets



Need Help?
loxone.com/support

Power Supply & Backup

Part No.: 100401

LOXONE

VI181022

About the product

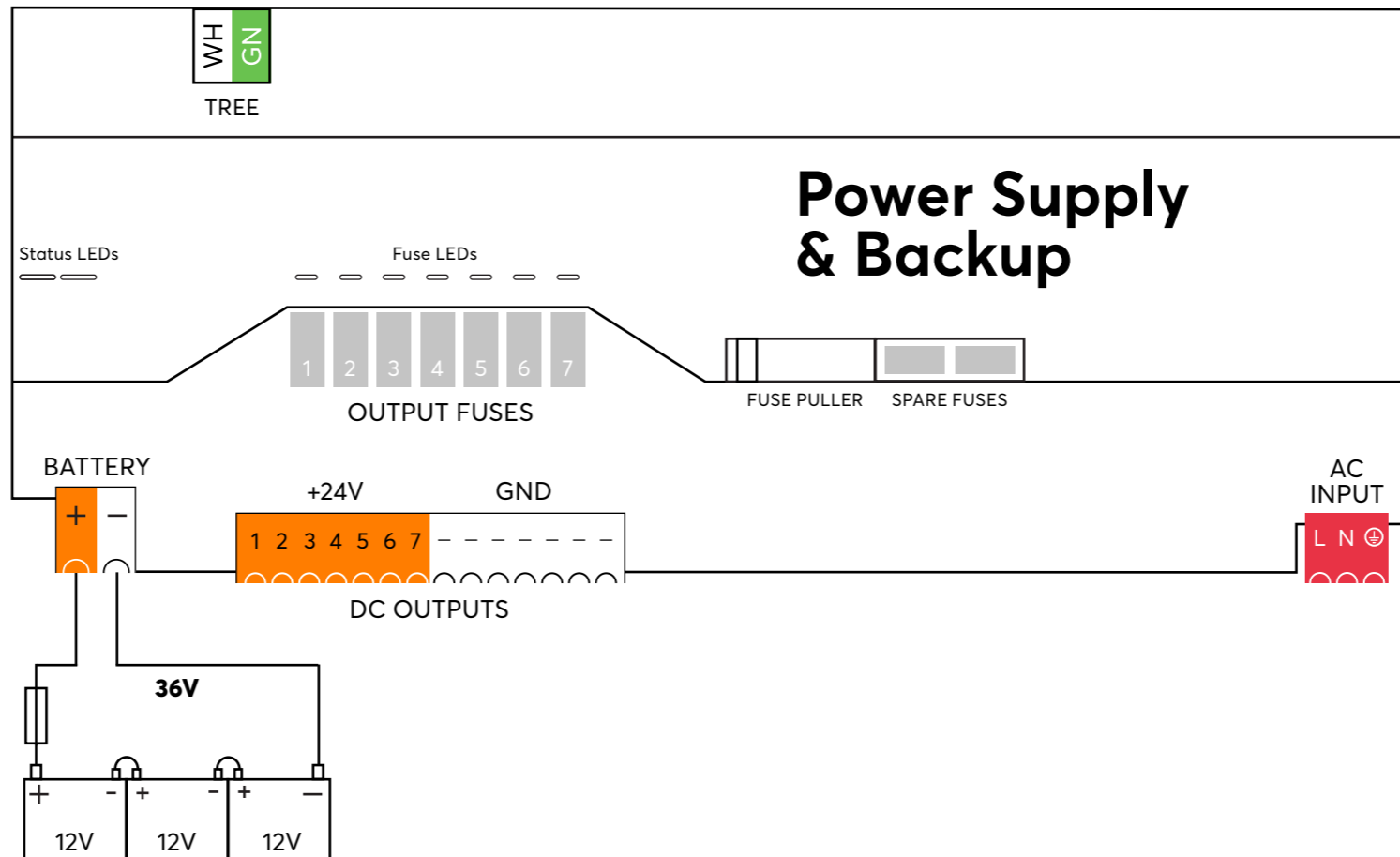
The Loxone Power Supply & Backup is a din-rail mounted power supply for up to 40A. Supplied with 230V it offers seven isolated outputs providing 24VDC for up to 10A each. Each output comes with a dedicated fuse and power measurement. Additionally connect a 36VDC battery to power-backup your Loxone installation in case of power failure. Of course, without interruption.

Installation & electrical connection

This device must be mounted on a DIN rail in an electrical distribution housing (standard distribution) and may only be installed by qualified personnel.

Protection against electrical contact and fire protection must be provided in the final installation by the use of a standards compliant/approved housing.

If the unit is used in a non-conforming manner as specified by the manufacturer the product included safeguards will be impaired.



SN

1

2

3

4

5

6

7