

Technical Specifications

AC Input (mains voltage)

Nominal voltage	208 ... 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
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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



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



V230925

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Power Supply & Backup

Part No.: 100401

About the product

The Loxone Power Supply & Backup is a din-rail mounted power supply for up to 40A. It offers seven mains-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.

Before replacing a fuse, ensure there is no short circuit and only proceed if the device is completely de-energized.

