


Battery backup

Module Name:	Symbol:	Ordering Code:
Battery back-up – Li-Ion 5200 mAh		11606

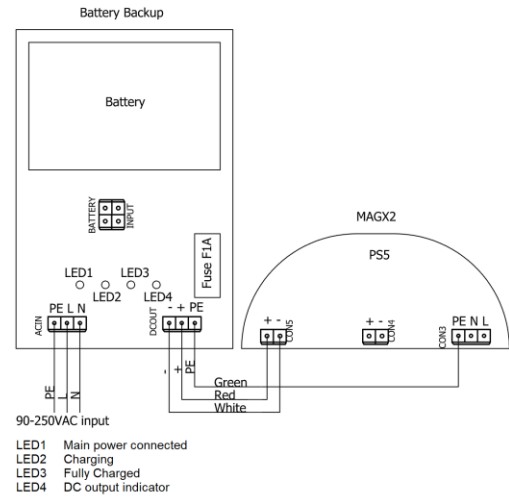
APPLICATION:

UPS for MAGX2 flowmeter

Electrical Specifications

Input Voltage ±5%	90 - 250VAV (50-60 Hz)
Max. input current	0,96A at 90 VAC
Output voltage:	DC 12,5 – 24,0 VDC (unstabilized)
Max. output current	0,5A
Max. operation on battery time	20h
Max. battery charging time	8h
Temp. Range	0 - 60 °C
Dimensions:	100 x 225 x 85 mm
Weight:	2,5 kg

Electrical connection




Order of power connection:



1. Battery backup cable to the flowmeter (Interconnection between each)
2. Power supply cable to the battery backup
3. 4-port battery connector to the PCB 4-port connector

Panel Mounting:

To mount the battery pack onto the panel - recommended 4 bolts Allen head (DIN912 M4x40), spacing 66x186mm.




Please note 10mm of the bolt remain inside the housing.

	Take special care not to cross connect input and output terminals - doing so will cause severe damage to the battery backup.
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	The device does not have a network power switch. For any electrical work or housing open it is necessary to disconnect the device from the network power, and this has to be done via a switch.
	The mains protective earth wire has to be connected to the PE terminal (power supply class 1). A switch or circuit breaker (B6) has to be in the building installation if mains supply 90 – 250 V AC from building installation is connected to the battery backup module. It must be in close proximity to the equipment and within easy reach of the operator.

90-250 VAC Recommended power supply cable minimum 3xØ1mm ²	Cable for MAGX2 already fitted, length 2 meters	Short-circuit protection - fused by F1A. Spare fuse inside the battery backup - remove before use.
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All used wires have to be round crosscut cables.

	Any connection or disconnection of any MAGX2 module has to be done with the network power to the meter switched off. To do that disconnect power to battery backup and disconnect the 4pin battery input connector to unplug the batteries. After that the flowmeter should be de-powered. The flowmeter is CAT II – CAT III device. Lithium batteries inside!
	In case LED4 is not on and batteries and/or mains supply is connected most likely there is a blown fuse. Fix the origin of the short on power system, change fuse and start the battery pack again.
	In case LED4 is dim most likely internal electronic fuse took place. Fix the origin of the short on power system, change fuse and start the battery pack again.