Pietro Fiorentini

MPOWER

Intrisically Safe Remote Power Supply

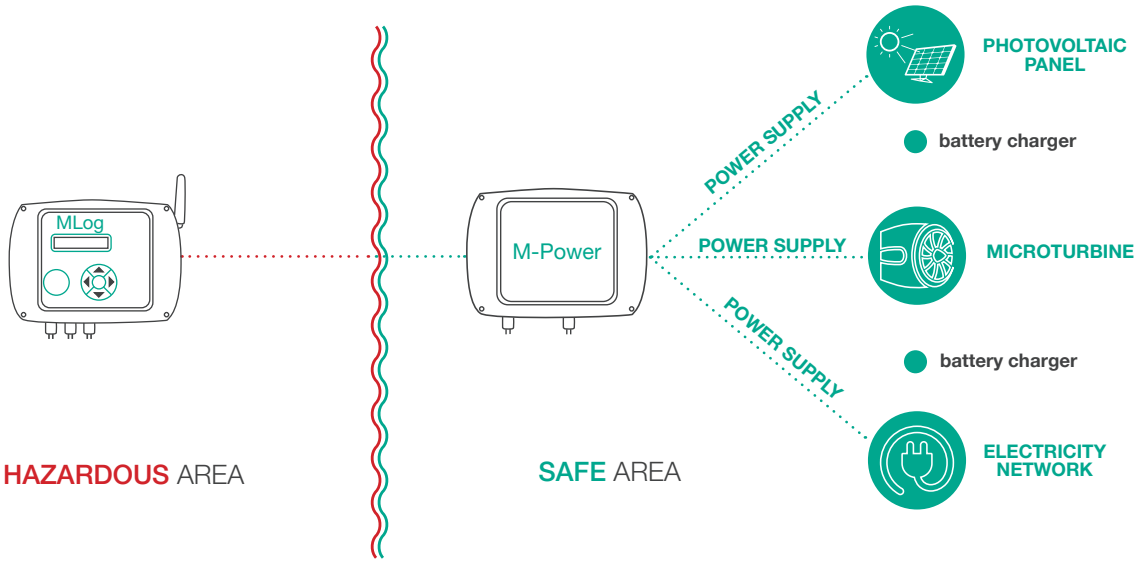
MPower is an Intrisically Safe associated apparatus designed to remotely supply devices of Modus and MLog family in ATEX zone 0 classified areas

MPower comes in two models, according to the selected primary energy source:

- **MPower-PP**: PV and microturbine.
- **MPower-INS**: AC mains. Outage of primary power source is remotely signalled to device in hazardous area.

Both models can be supplied in wall mounting (IP65) or DIN rail (IP20) version.

MPower furthermore comes with a RS485 serial line which enables the communication between safe area and Modus/Mlog devices in hazardous area, avoiding additional safety barriers.
Further options, such as NAMUR and Digital I/O extension boards, enlarge the range of possible combinations, making it ideal for a wide range of applications.



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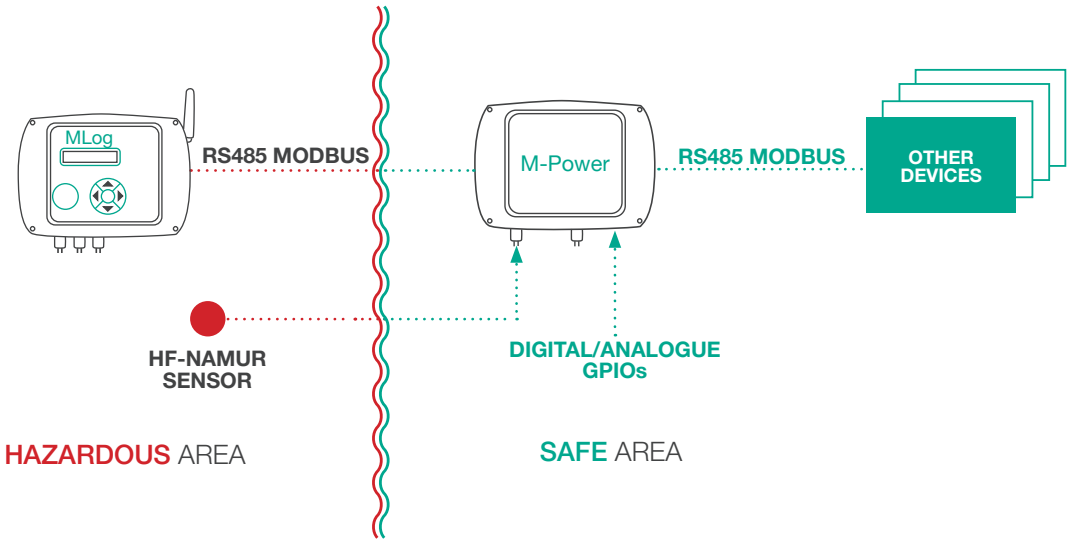
Electrical Characteristics	
Power supply	12 Vdc
Communication between Modus/Mlog and safe area	RS485 Serial, Modbus Protocol
Output voltage to Hazardous area	5VDC, 3.6 VDC
Power Outage Signal	Free Voltage Digital contact
Certification	The device is certified as associated equipment in compliance with the ATEX directive: Ⓔx II (1) G [Ex ia Ga] IIA
Internal expansion circuit boards (optional)	
GPNAMUR	2 namur sensors supply and conditioning
GPIO (safe area)	4 digital inputs, dry contacts 2 digital outputs, open collector 3 analogue inputs, 4-20 mA/±10 VDC 1 analogue input ±10VDC / ±20VDC
Mechanical characteristics	
Installation variants	Wall mounting, DIN rail 9 modules
Dimensions	200x150x80 mm (wall mounting version) 159x110x51 mm (DIN rail version)
Weight	0.5 Kg
Environmental characteristics	
Operating Temperature	-25C ÷ +60C
Protection class	IP67 (wall mounting version) IP20 (DIN rail version)

* Specifications are subject to change without notice.



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