



IDIAG® Battery

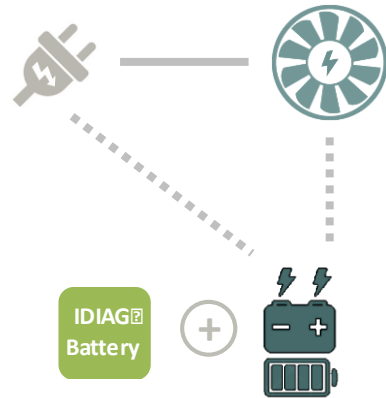
Alerting connected solution

The connected solution IDIAG® Battery limits the service failure of critical assets. The maintenance operator is instantly notified via SMS or eMail of any detected event on the backup power supply. Based on a Cloud solution and a connected sensor, it increases the assets' availability and optimizes maintenance operations.



Alerts

IDIAG® Battery
Loss of monitoring



IDIAG®
Battery


Backup power supply

Deep discharge

Critical asset

- Loss of main power
- Alert before service loss
- Imminent service loss


Features

-  **sigfox** CONNECTED
-  **LoRa**
-  AUTONOMOUS
-  INDUSTRIAL
-  EASY TO IMPLEMENT

Technical information		
Environment (casing)	Range	-20°C / +60°C
	Protection category	IP 54
Casing	Size	89 x 84 x 31 mm
	Weight	130 g
	Material	ABS/PC
	Fixing	Rail DIN, industrial stick, plastic collar
Power supply	Internal battery	
	Battery technology	3,6 V Primary lithium-thionyl chloride (Li-SOCl ₂)
	Battery life	5 years
Measure	Accuracy	< 0,5 %
	Range	Nominal voltage : between 12 V and 110 V
	Maximum measurable voltage	132 V
	Absolute maximum voltage	⚠ 150 V
	Sensor type	DC Voltage
Sensor	Cable length	1,5 m double contact wire (dia. 3 mm)
	Pairing type	Wire and connector
	Connector	Wago clamps, Over-moulding connector cable

Technical information	
Status indicator	Status LED + test & reset button
Qualification	EN 300 220 (868Mhz-25mW) / CE
Radio	Sigfox or LoRaWAN

Data information		
Data access	IDIAG Cloud	API or IDIAG Dashboard*

 Events Transmitted data	Loss of main power	Voltage Elapsed time since loss of main power
	Service loss	Voltage Before service loss : 50% & 25% threshold between full load voltage and cut-off voltage ⚠ <i>Not applicable for Lithium batteries</i> Imminent service loss : cut-off voltage
	Deep discharge	Voltage Imminent deep discharge Deep discharge
	Loss of monitoring	Voltage loss

Product Number		
IDIAG Battery	LoRaWAN	1P0002810
	Sigfox	1P0000P15

Patent pending