



## IDR UPS

Intelligent Backup Power Supply  
and Configuration Unit for IDR3G



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## Intelligent Backup Power Supply and Configuration Unit for IDR3G

**IDR UPS** is an integrated device serving as a **backup power supply** and a **configuration and diagnostic tool**. The device is an **all-Czech product** tailor-designed for **IDR3G**.

- IDR3G can be powered from the vehicle's **12V or 24V** power supply
- IDR3G can be powered from mains **100-240V 50Hz**
- Overvoltage and electromagnetic interference protection
- Internal maintenance-free **24V 7.2Ah battery packs**
- **Backup** power supply keeping IDR3G fully operational for min. **30 minutes**
- Automatic battery charging in all three external power supply modes
- A **control module** with built-in buttons and a display allowing to **set operating parameters of IDR3G**
- **Alarm messaging module** converting an IDR3G alarm status into visual and acoustic signals
- The operating temperature range of the device is between **-30 and 70°C**
- **1U** design to fit a **19" cabinet**

## Technical specification of IDR UPS

Parameter	Values
Processor:	Atmel ATmega1280-16AU, 16MHz
DC power supply:	12 – 24V, max. consumption 18A – 12V
AC power supply:	100 – 240V 50Hz, max. consumption 2.25A – 230V
Output:	12 – 24V with output power 180W for power supply of IDR3G
Backup:	4 internal maintenance-free battery packs 6V 7.2Ah, charged by an integrated w-power supply charger (constant voltage with current limiting) in all charging modes, autonomy for min. 30 minutes of IDR3G operation
Alarm:	Input for IDR3G alarm, alarm status signalling (SWR, ventilation, temperature, etc.) by means of LEDs, display messaging and built-in buzzer
Configuration tool:	Setting up operating parameters of IDR3G (channel number, power level, TX enabling, etc.) by means of built-in buttons and a display through an Ethernet interface
Protection:	Protection against overvoltage, protection against electromagnetic interference, overcurrent fuses on power supply inputs and outputs, external earthing clamp
Temperature range:	-30 to 70°C
Design:	1U shelf for a 19" cabinet, installation depth 400 mm, various operating positions

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