



# Fuel Cell Power System G2



CE

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## G2

### Fuel Cell Power System

*The G2 is an easy plug & play fuel cell solution to power the aviation obstruction light during construction. The system is designed for robust and harsh environments and is easy and safe to handle and can be ready to use in 5 minutes. The system is maintenance free and environmentally friendly – quiet and emission-free. A cost effective solution!*

#### Key Features

- Stand alone power system for obstruction light
- Quiet and emission-free
- Plug 'n' play installation – 5 min.
- Long autonomy – up to 60 days
- Light weight and compact
- Robust and maintenance free
- System ready for parallel operation for higher power demands
- Safety secured cartridges for easy and safe handling
- Automatic standby / charging of integrated battery system

#### Standards / Certification

EFOY PRO:

- TÜV Certificate
- UL\_cNRTLus
- E24 Certificate
- CE Certificate
- FCC Certificate

Accessories:

- TÜV GS Fuel Cartridges
- TÜV DuoCartSwitch
- Transport of methanol categorized: UN3473

#### Performance Characteristics

- Fuel cell Pro 2200 power 90W
- Consumption methanol 1kWh = 0,9l. methanol
- Methanol Cartridges:  
M5 = 5,5 kWh  
M10= 11,1 kWh  
M28= 31,1 kWh

#### Physical Characteristics

- Dimensions box 1:4 and 2:4:  
LxWxH: 380 x 280 x 340 mm
- Dimensions box 3:4 and 4:4:  
LxWxH: 580 x 380 x 415 mm
- Dimensions total system:  
LxWxH: 580 x 380 x 1320 mm
- Operating temperature range:  
-20°C to +45 °C
- Shipping information excl methanol and cables:  
LxWxH: 580 x 380 x 1320 mm  
Weight: 116 kg

#### Design Characteristics

- 4 box solution to minimize weight (1 person handling)
- Trolley for easy transport
- Connections with special Wieland connectors
- Integrated display for easy reading of fuel cell information status
- 230VAC and 24VDC LED diodes for correct connections
- Prepared for 1 or 2 M5, or 1 or 2 M10
- Ready for 2 cartridges due to the duo cart switch installed

#### Electrical Characteristics

- Battery 2 x 12VDC 41Ah AGM battery put in serial
- Inverter 24VDC - 230VAC 250W continuously
- Build in battery main switch
- DC fuses
- Battery deep discharge protection
- RCBO leakage protector