

FUEL CELLS

▪ SMART FC A50

50W/12V

**Fuel Cell SMART FC A50**

50W / 12V - produced in Germany



**Economical Operation by Intelligent Controls**

As soon as the batteries are recharged, the SFC fuel cell reverts to sleep mode fully automatically. The SFC fuel cell also shuts off automatically whenever the electrical system, the generator or a solar cell is used to recharge the batteries, thereby saving fuel and cutting costs

**Description**

**General**

SFC A50: The reliable, maintenance free power source for off grid systems. Depending on the consumer's needs, the SFC automatically charges a 12V battery with up to **100 Ah per day**. **As independent power supply or in combination with a photovoltaic system the SFC runs self-sufficiently for months.** **The SFC can be integrated simply into existent, isolated PV systems.** For example in the markets of telecommunication, traffic and security.

The SFC A50 is maintenance free and supplies its power for several thousand hours. Even under extreme climatic conditions, the SFC provides 100 % power availability to your equipment. Especially at difficult to access locations, this advantage will quickly pay off because costly maintenance work is eliminated.

**Fuel Cartridges**

The SFC A50 is fueled by liquid Methanol which is provided in TÜV-approved safe and easy to handle fuel cartridges. This makes the usage of the SFC extremely easy to handle and safe. The large energy content and the light weight of the fuel cartridges make the supply of off-grid systems particularly simple.

**Technical Data**

<b>Nominal Power</b>	<b>50W (1200Wh / day)</b>
<b>Charging Current</b>	<b>4 A</b>
<b>Voltage</b>	<b>11- 14.5 V*</b>
<b>Methanol Consumption</b>	<b>1.3 l / kWh</b>
<b>Noise Emission</b>	<b>47 db(A)**</b>
<b>Operating Temperature</b>	<b>-20 °C bis +40 °C</b>
<b>Dimensions (LxBxH)</b>	<b>390 x 157 x 261 mm<sup>3</sup></b>
<b>Weight</b>	<b>8 kg</b>
<b>Certificates</b>	<b>CE Declaration of Conformity</b>

\* compatible with standard 12V lead-acid, lead-gel and AGM batteries  
 \*\* at 1m distance

**Accessories**

- Monitoring Software and connecting cable
- Remote control
- Air cooling kit

**Technische Daten**

	<b>Fuel Cartridge M5</b>	<b>M10</b>
Content	5 l	10 l
Weight	4.3 kg	8.2 kg
Electrical Capacity	3800 Wh	7600 Wh
Certificates	TÜV - Seal of Approval (GS)	