



EFOY Remote Power

SFC, the leading manufacturer of mobile fuel cells, presents latest fuel cell technology with EFOY, now, the advantages of the popular SFC A50 fuel cell, have been pushed even further with the new EFOY product family. All the power you need, whenever and wherever you need it, no matter what the season or the weather. And all extremely reliable, quiet and maintenance free. EFOY is available in three levels of performance: In 600, 1200 and 1600 Wh/day versions, EFOY fuel cells provide the right amount of power for every requirement.



Made by SFC

EFOY fuel cells: the reliable, maintenance-free power source for off-grid applications in the measuring, transportation, security and telecommunications industries.

🔌 100% availability

The EFOY fuel cell is maintenance-free and absolutely reliable. Even under extreme climate conditions, it ensures 100% availability of your equipment. This is a decisive advantage, especially in hard-to-reach areas or with critical applications, such as observation posts.

🔌 Fully automatic

The EFOY fuel cell is fully automatic. EFOY's automatic charge control continuously monitors the battery status quo, as it powers your electrical equipment. If the battery's voltage sinks below the level pre-programmed by the user, the fuel cell activates, charges the battery, and then automatically shuts itself off. And it does so without requiring any user intervention.

🔌 Remote control

Each EFOY can be connected by an Interface Adapter to any RS232 interface and serviced using a PC or laptop. Servicing and monitoring the EFOYs also possible from an office or a cell phone.

🔌 Theft-proof

Because of their size, until now power supplies, such as solar cells, had to be placed out in the open, where it was difficult to protect them against theft or vandalism. The compact EFOY, in contrast, can be integrated into any standard control cabinet or box.

🔌 Need more electricity? No problem.

With the new Control Interface, you can operate up to five EFOY fuel cells in parallel, giving you a capacity of up to 8,000 Wh per day.



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Technical data

Device	600	1200	1600
Charging capacity	600 Wh/day 50 Ah/day	1200 Wh/day 100 Ah/day	1600 Wh/day 130 Ah/day
Nominal voltage ³	12 V	12 V	12 V
Nominal power	25 W	50 W	65 W
Nominal current	2.1 A	4.2 A	5.4 A
Fuel consumption	1.1 l/kWh 1.3 l/100 Ah	1.1 l/kWh 1.3 l/100 Ah	1.1 l/kWh 1.3 l/100 Ah
Noise emission	23 ¹ 39 ² dB(A)	23 ¹ 39 ² dB(A)	23 ¹ 39 ² dB(A)
Weight	7.3 kg	7.5 kg	7.6 kg
Operating temperature	-20 °C (-4 °F) ... +40 °C (104 °F)		
Dimensions	(L x B x H) 43.5 x 20.0 x 27.6 cm		
Recommended batteries	12 V lead storage cell (lead-acid or lead-gel) with a capacity of 40 to 200 Ah.		

¹at 7 m distance ²at 1 m distance ³24 V device available upon request.

Included equipment

- Remote control with data cable RC1
- Mounting plate with belt MP1
- Charge line CL1
- Fuel cartridge holder with belt FH1
- Exhaust hose EH1
- Service request
- User manual UM1 (Languages: D, GB, F, I, NL, E)
- Drilling template for remote control
- Service inquiry
- Packaging

Accessories

- Control Interface CI1
- Interface Adapter IA1

Fuel cartridge

EFOY fuel cells are economical, environmentally friendly and non-polluting. They operate on extremely pure methanol provided by SFC, with a molecular purity guarantee. The fuel cells draw this fuel from the EFOY fuel cartridges, safety tested.

🔋 Independent operation for weeks

Two fuel cartridge size are available for operation of your EFOY. SFC offers fuel cartridges with 5 litres and 10 litres of methanol. For example, an off-grid video camera will operate for up to 8 weeks on a single 10 litre fuel cartridge, without requiring any intervention by the user.

Fuel cartridge	M5	M10
Volumes	5 liter	10 liter
Weight	4.3 kg	8.4 kg
Measurement (L x B x H)	190 x 145 x 283 mm	230 x 193 x 318 mm
Capacity	4.5 kWh 380 Ah at 12 V 190 Ah at 24 V	9.1 kWh 760 Ah at 12 V 380 Ah at 24 V

Fuel cartridges available in larger sizes upon request.

