

EMILY

Remote Power Supply



Silent watch – No need to start the engine for powering your electrical devices!



Reliable power anywhere – Power remote sensors in the field – attended and unattended!

Soldiers lives can depend upon the availability of power in the field. EMILY provides reliable power for the operation of radios, night vision equipment or computers - integrated into tactical vehicles or in the field. The EMILY fuel cell is charging the batteries, silently, fully automatically, in any weather and maintenance-free. Experience the ultimate power source for defense applications.



-  **Radio battery extender for military vehicles**
-  **Free from emissions**
-  **Very quiet**
-  **Longterm unattended power supply (several weeks)**

Key Benefits



Ultra high energy capacity: One 10 l (8.4 kg / 18.5 lb) fuel cartridge contains the same capacity as 52 BA5590 batteries (52 kg / 115 lb) or 10 lead acid batteries (300 kg / 661 lb), making Emily a real power horse in the field and in tactical vehicles.



Non detectable: Compared to generators SFC fuel cells produce almost no noise (39 dB(A) at 1 m distance). They can be operated in vehicles, above or below ground, so they can be completely hidden from view.



Plug and play: Emily can be hybridised with standard military batteries such as the BB2590 (on request) and any 12 / 24 V batteries without requiring any additional equipment. Simply press the on-button!

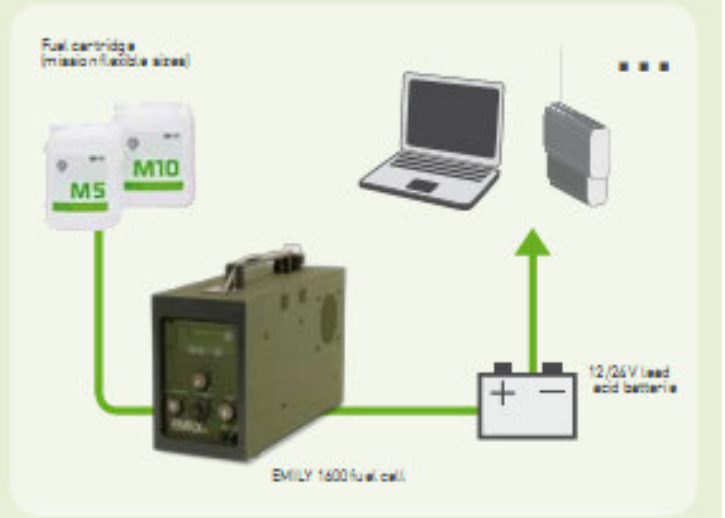


Maintenance free long term operation: SFC fuel cells are completely maintenance free. Equipped with sufficient fuel they can be left in the field for weeks without requiring any attendance. Of course, they can also be remote-controlled.

Technical Data SFC Fuel Cartridges

Independent operation for weeks. Two fuel cartridge sizes are available for operation of your EMILY fuel cell. SFC offers fuel cartridges with 5 litres or 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 cartridges	M5	M10
Volume	5 litres	10 litres
Weight	4.3 kg	8.4 kg
Measurement [L x W x H]	190 x 145 x 283 mm	230 x 193 x 318 mm
Capacity	5.5 kWh 460 Ah at 12 V	11.1 kWh 920 Ah at 12 V



Product

Emily 12 / 24 V

Charging capacity	1560 Wh/day
Nominal power	65W
Nominal voltage	12 / 24 V
Nominal current	5.4 / 2.7 A
Weight	9.1 kg (20.1 lbs)
Noise emission	39 dB(A) @ 1 m / 23 dB(A) @ 7 m
Operating temperature	-20 °C [-4 °F] to +45 °C [113 °F]
Dimensions [L x W x H]	47.8 x 18.0 x 27.6 cm (18.8 x 7.1 x 10.9 inch)
Fuel consumption	0.9 l/kWh 1.1 l/100 Ah at 12 V

