



Stand-Alone Power Supply for Long Range Reconnaissance

Point of departure

An uninterrupted and covert power supply is essential for long range reconnaissance operations. This task cannot be fulfilled by gasoline or diesel generators, as their operation is associated with considerable noise pollution. In addition to the high emissions and noise levels during operation, a constant supply of fuel and regular maintenance and repairs are required here. This leads to increased logistical effort and downtime.

Challenge

To ensure a continuous, undetectable power supply in the future, it is essential to use a quiet power generator. In addition, the power supply must also be low-maintenance, as the locations are impassable and therefore not easily accessible.

Solution

The combination of the EMILY fuel cell with foldable solar cells provides a portable, off-grid power supply. Furthermore it is silent, safe and reliable, with no signature, which makes it the perfect power supply for undercover investigations.

Technical data

EMILY 3000

Max. charging power per day	3000 Wh / day
Nominal power	125 W
Nominal voltage	12 / 16 / 24 V DC (suitable for lead-acid and Li-Ion charging)
Weight	12.5 kg
Dimensions L x W x H	476 x 206 x 286 mm
Operating temperature	-25 °C to +50 °C
NSN	6116-12-409-5249



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