



TACTICAL POWER SOLUTIONS

IRIS 3000 FUEL CELL

MOBILE POWER SOURCE FOR ELECTRICAL DEVICES IN COMMAND AND MULTIPURPOSE VEHICLES

- Virtually no detectable signature
- Numerous loads powered simultaneously
- Utilized as an on-board battery charger and a mobile, field-based charging station



FROM ON-BOARD POWER SUPPLY TO A FIELD-BASED CHARGING STATION

On vehicles, supplying power to sensors, radio, surveillance and defense systems that are integrated in the vehicle required starting the engine or a noisy generator had to be used. This is a high risk for camouflage and often leads to early detection.

The Iris 3000 Fuel Cell charges the on-board battery automatically, quietly, and without being detected. It guarantees operation of the loads even when the engine is off, keeping camouflage intact.

Iris 3000 is characterized by virtually signature-free, silent and emission-free operation, making it the modern task forces' number one choice.

In addition to the applications in and on vehicles, the Iris 3000 is used to supply power for mobile and stationary defense applications.

Away from the vehicle, it can power applications such as radios, radar and weapons systems or function as a mobile field-based charging station for a variety of battery types.

IRIS 3000 FUEL CELL	
Charging power per day	3000 Wh
Rated power	125 W
Output voltage	12 V / 24 V / 9.5 V - 16.5 V DC
Battery compatibility	Lead batteries 12 V / 24 V Li-Ion (BB-2590-U / BT-70884) Li-Polymer (3 cell)
Weight	12.5 kg
Methanol consumption	≤ 0.9 l / kWh
Operating time with 10 l fuel cartridge	~88 hours at 3000 Wh/day
Military ruggedisation & electromagnetic compatibility	MIL-STD