

ZEROALPHA

SOLUTIONS

DEPLOY LIGHTER **LAST LONGER**

FOBGrid DC Tactical Hybrid Energy Module



Built to:

MIL-STD 461

MIL-STD 810

MIL-STD1275

Test reports available
if required at point of
production

Robust and lightweight support to tactical energy

The ZeroAlpha FOBGrid DC Tactical Hybrid Power System is designed to provide users with a deployable energy system that can sustain their low-level power requirements when deployed in austere and remote locations. Sustainment is supported by automotive (DC), mains (AC) or solar charging options.

The system is designed to provide both 12v and 24v DC power outputs and a single-phase AC output of up to 300w via the external inverter. When deployed the system can be sustained from readily available sources such as vehicle DC power (10-32v) inputs or Solar (where required). Integrated within the system is a dedicated 1.7kWh lithium battery pack with a full battery management system (BMS) and associated charge control electronics.

Built for the safest operation possible, this unit features low voltage warning with shutdown circuitry to protect the DC power source. While the inverter is safeguarded by high voltage and over temperature protection both with shutdown circuitry. All the alarm conditions can be monitored on the system indicator display.



Silent Power

Tactical fuel cell that delivers silent power



Plug and Play

Quick and easy installation reduce on site time



Reduced Emissions

Reduces overall emissions and reliance on fossil fuels



Robust design

Units can be used in extreme environments

Specifications (ZAS-PM-033)

Input Voltage	10-32v DC
Output Voltage	5/12/24/230v
Output Current Continuous	12v @ 15A, 24v @ 10A, Inverter @ 15A
Efficiency	>97% at 100%
Dimensions	Exterior (L x W x H): 503 x 406 x 193 mm
IP Rating	IP65 (sealed) IP54 (Open)
Weight	17.5Kg

Environmental

Operating Temperature	-40°C to +55°C @ Maximum Output
Storage Temperature	-55°C to +105°C
Humidity	0 - 95% Relative Humidity (non-condensing) with standard conformal coating
Cooling	Fan Assisted Cooling
IP Rating	IP65



Designed in the UK

Each unit is manufactured to the exacting standards required for standalone power sources.



Warranty and Service

The unit is covered by our own one year warranty.

ZEROALPHA

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Images are for illustrative purposes only and actual products and examples may differ from those shown. All details correct at time of going to press but subject to change. E & EO.

