

# Tactical power supply – Stabilized Energy Distribution System

The tactical power supply ALMI is used to supply a stabilised, regulated voltage on the battlefield. A battery pack can be added to ensure a back-up.

Made to work in rugged military environments the ALMI is weatherproof and can be transported without a separate container. It is particularly suitable for air transport.

The ALMI is designed to power electronic systems with 230Vac network, such as satellite communication, C4ISR...



The ALMI can be connected to 90 to 264Vac - 47 to 63Hz mains or to 24VDC voltage. The DC voltage can come from a battery pack or from an auxiliary network (vehicle network, solar panel ...).

Easy to install and deploy on the field, this equipment is very simple to use. The cables are integrated with the equipment to facilitate its transportation.

## Technical specifications:

### Input :

- AC Input:
  - 90 to 264Vac single phase
  - Frequency : 47 to 63Hz
  - Power factor > 0.95
- DC input :
  - 21.3 to 30Vdc (depending on model)

### Output :

- 230Vac  $\pm$  5 % single phase isolated
- Frequency : 50Hz  $\pm$  2 %
- Power 600 W or 1200W depending on model
- 12Vdc  $\pm$  1% 8.3A depending on model
- 24Vdc (21.3 to 30Vcc) 4A depending on model
- 230 Vac non regulated 13A depending on model

### Technology :

- On-line double conversion
- Galvanic isolation

### Operating control :

- Status lights.
- Emergency stop.
- Manual By-pass
- On/Off switch depending on model
- Input /output circuit breakers accessible under protection panel

### Protection :

- Differential circuit breaker on the input
- Circuit breakers on the output
- Fuses on batteries
- Overload protection for regulated output
- Thermal protection
- Anti-dust filter accessible by the top
- Rugged construction, withstands shock and vibration.

### Presentation :

- Inputs and outputs on watertight connectors type 38999 or Bulgin equipped with caps.
- Input and output cables with connectors wound on the top.
- Transportable tactical case without container – IP54.
- Waterproof chassis rugged construction designed per GAM EG13
- White or green OTAN colour depending on model.

### Environmental specifications :

- Operating temperature: -10 to 45°C.
- Storage temperature: -40 to 70°C.
- Humidity: from 0 to 95 % without condensation.

### Options :

- Battery pack.
- Extra Light indicators.
- Colour...

### Standards :

- CE Mark / EN6950-1
- GAM EG13 (shock A43 test, vibration A42 test, salt fog A04 test...)
- EN55022

## Mechanical specification

### Power supply:

- Height : 440 mm / width : 540 mm / Depth : 520 mm
- Weight : 35 Kg without cables

### Battery pack:

- Height : 440 mm / width : 270 mm / depth : 520 mm
- Weight : depending on battery model

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