

# **Patria** 230 VAC Utility Inverter



**Through Life Capability**

## Patria 230 VAC Utility Inverter

The inverter converts a 28 V DC voltage into an AC voltage (230 V-50Hz), which is available from two Schuko sockets to feed e.g. laptop chargers, tactical and operational accessories and field-rescue gear. The 230 VAC supply is floating i.e. galvanically separated from the body of the device. The inverter is equipped with a 2 m supply cable, which can be connected to the aircraft's 28 VDC utility plug. The inverter is equipped with its own on-off switch

In addition to the floor attachment, the Inverter is designed to be attached to the floor of the helicopter with two 25 mm wide cargo straps.



### Key features

- Input voltage: 20 - 36 VDC
- Output voltage: 230 VAC 50 Hz, MAX 380W, 360W
- Weight: 6 kg / 13.23 lbs
- Compact (196 mm x 225 mm x 474 mm / 7.64 in x 8.86 in x 18.66 in)
- ON-OFF switch
- Two Scuko IP 44
- Internal maximum power limiter with circuit breaker
- With four-point floor mounting forward 20g, Upward 20g
- Cargo strap fastening option
- Two separate means to ground the device are provided by design
- Carry-on item that is not part of the approved helicopter configuration
- Unit consists of TSO approved LRU's encased within a 2024-T3(AMS 4037) aluminum box
- TC-basis for NH90 is FAR29 amdt 31, AC 29-2C as applicable and EASA CM-ES- 001
- TC-basis for Bell 212/412 is CS29 amdt 10, AC 29-2C as applicable and EASA CM-ES- 001

Two separate means to ground the device are provided by design. The device can be grounded to aircraft chassis via power inlet cable shield and connector shells and a bonding jumper from grounding stud of the device. A separate minor change for any given helicopter can also be performed to ensure the compatibility of this device. Namely the change would provide the necessary non-essential electrical bus load via a utility connector/outlet. The unit is intended to be used in a helicopter cabin environment by the cabin crew, not pilots. The unit, depending on the location of fixation and R/C outlet, can be used during flight. The unit has limited sealing to protect from splashes of water but is not immersion protected.

INSTRUCTIONS FOR CONTINUED AIRWORTHINESS: On condition, no tasks

# Patria

When if is not an option.

info@patriagroup.com | www.patriagroup.com