Product Description:

ACS – AC Source 400Hz

Description:

The AC Source 400Hz is a rugged military grade AC source equipped with an internal 6,3kVA/4,8kW frequency converter unit. It offers two stable, decoupled 3PH 115/200Vac 400Hz power supply starting from 3ph 115Vac 50/60Hz input voltage in accordance with STANAG 1008 Ed.9.

Input and output breaker protection, presence and alarm indicator on front panel available.

System fan unit cools to maintaining the full load functionality along [-5 ÷ +55]°C external temp. range.

Temperature monitoring is performed by internal sensor, high and low temperature limit are programmable for system shut down and a pressure sensor check the cooling air flow to monitor the state of air filter.

The structure, as well as the internal units, are made of aluminum alloy of the 5000 and 6000 series equipped with conductive anticorrosion treatment Surtec 650, in accordance with MIL DTL 5541F Class III, the external surfaces may be painted on demand.

The AC Source 400Hz is equipped with an isolation system for mechanical stress (ship motions, vibrations, impacts and accelerations from air transport) made with helical metal cable shock absorbers positioned at the base of rack.

Fully qualified MIL-STD-810G and MIL-STD-461F the PSD RU is suitable for applications that require clean and reliable ac power in military environment (Naval Sheltered).

REACH, ROHS and CE marking compliance.

Key Specifications:

- Rugged military grade rack unit
- 3PH 115Vac 50/60Hz input voltage (STANAG 1008 Ed.9 compliance)
- Two 3PH 115Vac 400Hz output decoupled and stabilized respect the input power
- Operative temperature range [-5 ÷ +55]°C with warning and alarm thresholds
- Differential pressure sensor to detect correct cooling air flow (filter obstruction)
- Breaker, in/out presence and alarm indicators
- Isolation system for mechanical stress at the base
- Fully qualified MIL-STD-810G and MIL-STD-461F
- REACH, ROHS and CE marking compliance
- Dimensions (h x l x d) 495x600x847 mm
- Weight 90 kg