

Product DataSheet:

ACS –AC Source 400Hz

The AC Source 400Hz is a rugged military grade AC power source able to generate two output 3PH 115V 400Hz from 3PH 115V 60Hz input power.

Fully qualified MIL-STD-810G and MIL-STD-461F the AC Source 400Hz 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 power supplies (internal frequency converter) 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) 495 x 600 x 847 mm
- Weight 90 kg

INPUT POWER

105÷125Vrms 50 or 60Hz
30Arms max
6KVA max

INPUT TRANSIENT

<2sec to 89Vrms or 141Vrms

**INPUT HARMONIC
DISTORSION**

THD < 5%
SHD < 3%

INPUT PROTECTION

Varistors
Breaker

ISOLATION

1500Vdc input to chassis
1500Vdc output to chassis
1500Vdc input to output

STANDARD

Compliant to STANAG 1008
ed.9

EMI

Compliant to MIL-STD-461F:
CE101, CE102, RE101, RE102
CS101, CS106, CS114,
CS116, RS101, RS103

INPUT/OUTPUT SIGNALS

Enable, Fail, OverHeat signal
RS422 port

OUTPUT POWER SUPPLY

One 3PH 400Hz 115V 1A
One 3PH 400Hz 115V 10A

OPERATING TEMPERATURE

[-5 ÷ +55] °C at full power

COOLING

Forced air by FAN UNIT

**ENVIRONMENT
PROTECTION**

Fully rugged
Conformal coating

SHOCK & VIBRATION

MIL-STD-810G:
Half sine 30g 6ms three
axis4÷14Hz 1mm 14÷100Hz
0,8g

HUMIDITY

MIL-STD-810G method 507.6

SALT FOG

MIL-STD-810G method 509.6

MTBF

22.651h MIL-217F
Naval Sheltered at 40°C

INDICATORS

Input power presence
Output power presence
Fault alarm
Overheat alarm
Air filter alarm

CONNECTOR

D38999 standard

DIMENSIONS (h x l x d)

495x600x847mm

WEIGHT

90 Kg

COMPLIANCE

REACH, ROHS and CE
marking