

Product Description:

FSPS – Field Shelter Power Supply

Description:

The FSPS is a power supply system generating three voltages programmable 3PH 60Hz and 400Hz power supplies starting from the 400V 50Hz network.

Equipped with three AC source provides three 3PH voltage programmable power supplies at 60 and 400Hz with 10kVA, 5kVA and 15kVA of maximum power respectively.

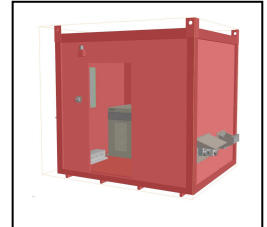
The input filter reduces the current harmonics ensuring the compliance to EN61000-3-12, input and output connectors are IP66/IP67 compliant to EN60309 standard.

The electrical input and output panels house the voltage presence lights, the magneto thermic and differential breakers. A cable tie system is provided to power the rotating load. Internal and external emergency switches are foreseen to allow immediate system shutdown in case of need.

The internal air conditioning with 12.000BTU allows operating in $[0 \div +40]$ °C ambient temperature, the absence of air exchange with the outside guarantee's operation in the presence of dust, humidity and saline fog, externally the shelter is made of steel sheet.

The Control Board monitors the internal temperature and manages the outputs (enable/disable) in case of under/over temperature operating.

The FSPS system can be lifted by means of four eyebolts placed on the four side uprights and can be transported on trucks without the need to remove the internal equipment.



Key Specifications:

- Rugged field power supply shelter
- Three output voltage programmable power supplies, 3PH 60Hz and 400Hz up to 15kVA
- Input filter to meet compliance to EN61000-3-12
- Industrial IP66/IP67 standard connectors (EN60309)
- Magneto thermic and differential protection, internal and external emergency switches
- Air conditioning to allows controlled internal temperature while 0 to +40°C external temperature
- No internal/external air exchange to ensure operation in presence of dust, humidity and salt fog
- Lifted by four eyebolts, can be transported on trucks
- REACH, ROHS and CE marking compliance
- Dimensions (h x l x d) 2400x2800x2400 (mm)
- Weight 1670 kg