

# SOLID STATE POWER SUPPLIES FC SERIES



## TECHNICAL SPECIFICATION

### 1. INPUT DATA

- Rated voltage: : 3 x 400V +-15% (L1-L2-L3)
- Frequency: : 45 - 55Hz +-5%
- Power factor : 0.94
- Total Current Harmonic Distortion : 30% standard (10% as option)
- Inrush current : absent

### 2. OUTPUT DATA

- Rated power (cos phi=0,8) : 60 kVA
- Rated voltage : 400 / 230V 4w (L1-L2-L3, N)
- Frequency : 45 - 65 Hz adjustable
- Power factor : Frequency fine regulation (potentiometer)
- Waveform : ind./cap.
- Total Harmonic Distortion (linear load) : sinusoidal
- Voltage regulation : 3%
- Voltage regulation : ± 10%
- Voltage regulation : Voltage fine regulation (potentiometer)
- Voltage transient (for load step 0-100% and back): : ± 8%
- Recovery time : 2 msec.
- Overload 10 minutes : 1.25 of full load
- Overload 1 minute : 1.5 of full load
- Overload 10 seconds : 2 of full load
- Voltage symmetry with balanced load : ± 1%
- Voltage symmetry with 30% unbalanced load : ± 2%

### 3. SYSTEM PARAMETERS

- Dimensions ( Width x Depth x Height mm) : not defined
- Weight (kg) : not defined
- Efficiency : >90%
- Audible noise : 68dBA
- Operating temperature : -25°C to +50°C
- Relative humidity ( non-condensing) : 0 to 95%
- Altitude without derating : 1000m msl
- Enclosure: : IP 20
- Cooling: : forced air

## SOLID STATE POWER SUPPLIES FC SERIES

### 4. STANDARDS

CE compliant.

ISO 6858

EN 2282

: Ground support electrical supplies

: Characteristics of aircraft electrical supplies –  
General requirements

MIL-STD-704E

EN50091-1

EN 61000-6-2

EN 61000-6-4

: Electromagnetic compatibility. Emission

: Electromagnetic compatibility. Immunity.

### 5. BREAKERS, OPERATOR CONTROLS, MEASURES, INDICATORS

- Input circuit breaker (door interlocked)

- Output switch

- ON/OFF switch operator

- Measures:

: output current

: output frequency

-Indicators:

: frequency converter alarm

- Remote control

: output voltage

: frequency converter running

: ON/OFF Converter

### 6. AVAILABLE OPTIONS

Input Voltage

Output voltage

IP54

IP 55

Extended temperature range

Output contactor

Drop line compensation

Remote Voltage control for very long lines

Distribution Cabinet

Drop line compensator cabinet.

Mobile Version

Under Bridge version

: from -40°C to +50°C