

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)	: 10 - 260 kVA
- Rated voltage	: 400 / 230V 4w (L1-L2-L3, N)
- Frequency	: 50 / 60 Hz
- Power factor	: ind./cap.
- Waveform	: sinusoidal
- Total Harmonic Distortion (linear load)	: 3%
- 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

4. STANDARDS

CE compliant.	
ISO 6858	: Ground support electrical supplies
EN 2282	: Characteristics of aircraft electrical supplies – General requirements
MIL-STD-704E	
EN50091-1	
EN 61000-6-2	: Electromagnetic compatibility. Emission
EN 61000-6-4	: Electromagnetic compatibility. Immunity.

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5. BREAKERS, OPERATOR CONTROLS, MEASURES, INDICATORS

- Input circuit breaker (door interlocked)
- Output switch
- ON/OFF switch operator
- Measures: : output voltage
- : output current
- : output frequency
- Indicators: : frequency converter running
- : frequency converter alarm
- Remote control : ON/OFF Converter

6. AVAILABLE OPTIONS

- Input Voltage
- Output voltage
- IP54
- IP 55
- Extended temperature range : from -40°C to +50°C
- Output contactor
- Drop line compensation
- Remote Voltage control for very long lines
- Distribution Cabinet
- Drop line compensator cabinet.
- Mobile Version
- Under Bridge version