



Working in Power

SUPREME PLUS FC series

on-line UPS

30 - 60 - 80 - 100 - 120 kVA
400Hz Static Frequency Converter

- LOCAL AREA NETWORKS (LAN)
- SERVERS
- DATA CENTERS

- INTERNET CENTERS (ISP/ASP/POP)
- INDUSTRIAL PLCS
- EMERGENCY DEVICES (LIGHTS/ALARM)

- ELECTRO-MEDICAL DEVICES
- TELECOMMUNICATIONS DEVICES
- INDUSTRIAL APPLICATIONS

FREQUENCY CONVERTER APPLICATIONS

SUPREME Plus FC supports wide range of applications; including military aircraft; aerospace aircraft industries; radar and flight-control systems; naval application and laboratory testing.

BATTERY BACKUP

SUPREME Plus FC is also available for connection to external battery for backup application upon request.

SUPREME PLUS FREQUENCY CONVERTER (FC)

	Technical Specification				
Models	FC30-400	FC60-400	FC80-400	FC100-400	FC120-400
INPUT					
Rated Voltage & Tolerance (V)	380/ 400/ 415 Vac 3 phase, 300V – 480V				
Frequency & Tolerance	50Hz/ 60Hz auto sensing, 45Hz to 65Hz				
Input Current 100% (@ 400V)	42	83	111	138	166
Input Power Factor & THDi	>0.8PF &<30% 6 pulse	0.9PF, &<26% 6 pulse / 0.9PF&<6% CN / 0.93PF&<5% 12 pulse			
Nominal Power at 100% load (@400V) kVA	33	58.6	78.1	97.7	116
OUTPUT					
Rated Power (kVA/ kW)	30 / 24	60 / 48	80 / 64	100 / 80	120 / 96
Rated Voltage & Stability (V)	208V 3 phase + N, (200 – 215Vac adjustable)				
Frequency & Stability (Hz)	400Hz ± 0.05%				
Phase Displacement	120° ± 1%, balanced load				
Crest Factor	3 : 1				
Overload	110% - 60min / 125% - 10min / 150% - 60sec				
Waveform	Sinusoidal				
ENVIRONMENTAL DATA					
Operating Temperature	0° to 40°C				
Average temperature for 24h	35°C				
Relative Humidity	<95% non condensing				
Colour	RAL 7035 light grey				
Efficiency	Up to 92%				
Remote monitoring	3 x volt free dry contacts ; aux output 12Vdc 80ma				
Compliance Standard	European directives: L V2014/35/EU low voltage directive / EMC 2014/30/EU Electromagnetic compatibility directives Standards: IEC EN 62040-1 ; EMC IEC EN 62040-23 ; RoHS compliant ; Classification accordance with IEC 62040-3 (Voltage frequency independent VFI-SS-111				
Noise level @ 1m (dBA)	62	65	68	70	72
Size L x D x H (mm) 6P	555x720x1200	800 x 800 x 1900			
Size L x D x H (mm) 12P	N.A.	1070 x 800 x 1900 (mm)			1200x800x1900
Weight (kg) - 6P & 12P	330 / N.A	660 / 770	620 / 800	640 / 838	650 / 1000
Cabinet protection	IP20, higher IP rating is available upon request				

FC specification and data may subject to change for improvement without prior notice

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