

TECHNICAL Data



Product: Safepower – SPE TTFC

Mounting: Cabinet

Topology: Online – Double Conversion
VFI-SS-111 with Inverter Output
Transformer

Rating: 160 – 1000 kVA

Phase: 3:3

MODELS:	SPE FC160	SPE FC200	SPE FC250	SPE FC300	SPE FC400	SPE FC500	SPE FC600	SPE FC800	SPE FC1000
Nominal rating (kVA)	160	200	250	300	400	500	600	800	1000
INPUT									
Voltage	380 – 400 – 415 Vac (other voltages on request)								
Phases	3								
Frequency	50 or 60 Hz								
OUTPUT									
Nominal power (kVA)	160	200	250	300	400	500	600	800	1000
Active power (kW) @ 0.8pf	128	160	200	240	320	400	480	640	800
Nominal voltage	380 – 400 – 415 Vac + N (other voltages on request)								
Phase	3								
Frequency	50 or 60 Hz								
Waveform	Sinusoidal								
Crest factor	3:1								
THD (linear load)	<2%								
THD (non-linear load)	<5% in accordance with BS EN50091-3								
Voltage regulation	±1% Steady state ±5% Dynamic. Recovery to within steady state limits within 20 msec								
Voltage symmetry	Balanced load - <1% 100% Unbalanced load - <2%								
Overload	125% for 10 mins. 150% for 60 secs.								
Frequency regulation	±0.05% Internal oscillator								
BATTERIES									
Type	VRLA , Vented Lead Acid or NiCad's								
Mounting	Externally mounted upon OPEN or CLADDED racks or battery cabinets								
OTHER FEATURES									
Weight (kg)	1200	1400	1600	1850	2100	2900	3100	3900	4800
Dimensions (WxDxH) (mm)	1100x800x1400		1100X820 x1950	1500x1000x2000		2700*x1000x2000			
Noise	63 dBA		70 dBA			78 dBA			
IP Rating	IP21								
Temperature/Humidity	0 to +40°C / 20-80% non-condensing (Excluding Batteries)								
Signalling & alarms	Large screen with 4 line, 20 character alphanumeric, multi-coloured status indication and audible alarm								
Emergency stop	Yes								
Back-feed protection	Yes - optional								
Communications	Communications interface board with volt-free/RS232/9 Pin 'D' and optical.								
Standards	EN62040-1 EMC EN62040-2 Directives 73/23 – 93/68-2004/108 & EN62040-3								

*composed of 2 x cabinets EACH 1350W

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Specification subject to change without notice.