

TECHNICAL Data



Product: Safepower Evo - TT

Mounting: Tower

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

Rating: 160 - 1000kVA

Phase: 3:3

MODELS:	SPE TT160	SPE TT200	SPE TT250	SPE TT300	SPE TT400	SPE TT500	SPE TT600	SPE TT800	SPE TT1000
Nominal rating (kVA)	160	200	250	300	400	500	600	800	1000
Configurations	Single or Parallel for redundancy and/or capacity								
INPUT									
Voltage	380 – 400 – 415 Vac								
Phases	3 + N								
Frequency	50 or 60 Hz								
BYPASS									
Integral	Automatic, internal synchronised static and manual maintenance bypass								
OUTPUT									
Nominal power (kVA)	160	200	250	300	400	500	600	800	1000
Active power (kW) pf-1	144	180	225	270	360	450	540	720	900
Nominal voltage	380 – 400 – 415 Vac								
Phase	3 + N								
Voltage regulation: - Steady state (%) - Dynamic (%)	< ±1 < ±5 – recovery to within steady state limits <20ms								
Waveform	Sinusoidal								
Distortion % - linear load - non-linear load	Typ 1, <2 max <5 (in accordance with EN62040-3)								
Frequency	50 or 60 Hz								
Frequency regulation: - Free running (%) - Sync to mains (%)	± 0.05 ± 1 to ± 4 (selectable)								
Crest factor	3 : 1								
Overload	125% for 10 minutes. 150% for 60 seconds.								
BATTERIES									
Type	VRLA, Flooded lead acid or Nicads								
Mounting	Externally mounted in cabinets/cladded or open racks.								
OTHER FEATURES									
Weight (kg)	1200	1400	1600	1850	2100	2900	3100	3900	4800
Dimensions (WxDxH) (mm)	1100 x 820 x 1950			1500 x 1000 x 2000		2700 x 1000 x 2000 (Shipped in 2 x 1350W cabinets)			
Noise (dBA @ 1M)	63		70			78			
IP Rating	IP 20								
Temperature/Humidity	Operating 0°C to + 40°C / 20-80% non-condensing (Excluding Batteries)								
Signalling & alarms	LCD with 2 line, 80 character alphanumeric, multi-coloured status LED indication and audible alarm								
Emergency stop	Yes								
Back-feed protection	Yes – Option								
Communications	Communication interface board with volt-free contacts/RS232/9 pin D and optical.								
Standards	EN62040-1 EMC, EN62040-2 Directives 72/73-93/68-2004/108 & EN62040-3								

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Specification subject to change without notice.