TECHNICAL Data

Product: Safepower Evo - TT

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

Mounting: Tower

Rating: 20 - 120kVA

Phase: 3:3

MODELS:	SPE TT20	SPE TT40	SPE TT60	SPE TT80	SPE TT100	SPE TT120
Nominal rating (kVA)	20	40	60	80	100	120
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)	20	40	60	80	100	120
Active power (kW)	16	32	48	64	80	96
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)	270	310	350	500	680	820
Dimensions (WxDxH) (mm)	550 x 850 x 1055			700 x 866 x 1415	700 x 866 x 1415	
Noise (dBA @ 1M)	60					
IP Rating	IP 21					
Temperature/Humidity	Operating 0ºC to + 40ºC / 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.