

TECHNICAL Data



Product: Safepower Evo - TM

Mounting: Tower

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

Rating: 20 – 60 kVA

Phase: 3:1

MODELS:	SPE TM 20	SPE TM 30	SPE TM 40	SPE TM 50	SPE TM 60
Nominal rating (kVA)	20	30	40	50	60
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	30	40	50	60
Active power (kW)	16	24	32	40	48
Nominal voltage	220 – 230 – 240 Vac				
Phase	1 + 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				
OTHER FEATURES					
Weight (kg)	270	270	280	300	300
Dimensions (WxDxH) (mm)	550 x 850 x 1055		700 x 860 x 1400		
Noise	60 dBA @ 1M				
IP Rating	IP 21				
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				

Contact us;
Telephone; 0845 130 6118
email; enquiries@sielenergy.co.uk

SIEL Energy Systems Ltd

Specification subject to change without notice.