

TECHNICAL Data



Product: Safepower EVO TM

Mounting: Cabinet

Topology: Online

Rating: 20 – 50 kVA

Phase: 3:1

MODELS:	SPE TM 20	SPE TM 30	SPE TM 40	SPE TM 50
Nominal Rating (kVA)	20	30	40	50
Configurations	Single or Parallel for redundancy and/or capacity			
Input				
Voltage (Vac)	380 – 400 - 415			
Phases	3 + N			
Frequency (Hz)	50 or 60Hz			
Output				
Nominal power (kVA)	20	30	40	50
Active power (kW)	16	24	32	40
Nominal Voltage (Vac)	220 – 230 - 240			
Phase	1 + N			
Voltage regulation:				
- Steady state (%)	< ± 1			
- Dynamic (%)	< ± 5 – recovery to within steady states limits <20ms			
Waveform	Sinusoidal			
Distortion (%):				
- Linear load	Type 1, < 2 Max			
- Non-linear load	< 5 (in accordance with EN62040-3)			
Frequency (Hz)	50 or 60			
Frequency regulation:				
- Free running (%)	± 0.05			
- Sync to mains (%)	± 1 to ± 4(selectable)			
Crest factor	3 : 1			
Overload	120% continuous – 125% for 10 minutes. 150% for 60 seconds			
Bypass				
Integral	Automatic, internal synchronised static and manual maintenance bypass			
Batteries				
Type	Valve regulated lead acid (VRLA) / or 3Hr			
Mounting	Externally mounted in cabinets/cladded or open racks.			
Communication & Management				
Signalling & alarms	LCD with 2 line, 80 character alphanumeric, multi-coloured status LED indication and audible alarm			
Back-feed protection	Yes - Option			
Communication	Communication interface board with volt free contacts/RS232/9 pin D and optical.			
Physical characteristics				
Dimensions (W x D x H)	550 x 850 x 1055		700 x 860 x 1400	
Weight (kgs)	270	280	300	320
Noise	60dBA @ 1M			
IP rating	IP21			
Environmental				
Temperature/humidity	Operating: 0 to +40°C / 20/80% non-condensing (EXCLUDING batteries)			
Standards & compliance				
	BS50171-2001, 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.