

# TECHNICAL Data



Product: Safepower EVO TT

Mounting: Cabinet

Topology: Online

Rating: 20 – 200 kVA

Phase: 3:3

MODELS:	SPE TT 20	SPE TT 40	SPE TT 60	SPE TT 80	SPE TT 100	SPE TT 120	SPE TT 160	SPE TT 200
Nominal Rating (kVA)	20	40	60	80	100	120	160	200
Configurations	Single or Parallel for redundancy and/or capacity							
<b>Input</b>								
Voltage (Vac)	380 – 400 - 415							
Phases	3 + N							
Frequency (Hz)	50 or 60Hz							
<b>Output</b>								
Nominal power (kVA)	20	40	60	80	100	120	160	200
Active power (kW)	16	32	48	64	80	96	144	180
Nominal Voltage (Vac)	380 – 400 - 415							
Phase	3 + N							
Voltage regulation: - Steady state (%) - Dynamic (%)	< ± 1 < ± 5 – recovery to within steady states limits <20ms							
Waveform	Sinusoidal							
Distortion (%): - Linear load - Non-linear load	Type 1, < 2 Max < 5 (in accordance with EN62040-3)							
Frequency (Hz)	50 or 60							
Frequency regulation: - Free running (%) - Sync to mains (%)	± 0.05 ± 1 to ± 4(selectable)							
Crest factor	3 : 1							
Overload	120% continuous – 125% for 10 minutes. 150% for 60 seconds							
<b>Bypass</b>								
Integral	Automatic, internal synchronised static and manual maintenance bypass							
<b>Batteries</b>								
Type	Valve regulated lead acid (VRLA) / or 3Hr							
Mounting	Externally mounted in cabinets/cladded or open racks.							
<b>Communication &amp; Management</b>								
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.							
<b>Physical characteristics</b>								
Dimensions (W x D x H)	550 x 850 x 1055	700 x 866 x 1415			1100 x 820 x 1950			
Weight (kgs)	310	350	500	600	820	1200	1400	1600
Noise	60dBA @ 1M							
IP rating	IP21							
<b>Environmental</b>								
Temperature/humidity	Operating: 0 to +40°C / 20/80% non-condensing (EXCLUDING batteries)							
<b>Standards &amp; compliance</b>	BS50171-2001, EN62040-1 EMC, EN62040-2 directives 72/73-93/68-2004/108 & EN62040-3							

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Specification subject to change without notice.