

# TECHNICAL Data



Product: S5000-E Series – 40-800kVA

Mounting: Cabinet

Topology: Online - Modular

Rating: 50 - 800 kVA

50kVA/kW Modules

Phase: 3 : 3

MODEL:	UPS5000-E 200k	UPS5000-E 300K	UPS5000E 400K	UPS5000-E 500K	UPS5000-E 600K	UPS5000-E 800K
<b>RATED CAPACITY (kVA/kW)</b>	50-200	50-300	50-400	50-500	50-600	50-800
<b>No. POWER MODULES</b>	1-4	1-6	1-8	1-10	1-12	1-16
<b>INPUT</b>						
Input wiring	3Ph+N+PE					
Rated voltage	380/400/415Vac					
Voltage range	138-485 Vac (305-485 Vac for 100% load; 138-305 Vac for 40%-100% load)					
Input frequency	40-70 Hz					
Total harmonic distortion	THDi <3% for linear load, THDi<5% for non-linear load					
Input power factor	0.99					
<b>BYPASS</b>						
Rated voltage	380/400/415 Vac					
Input frequency	50/60 ±6 Hz					
<b>BATTERY</b>						
Rated voltage	360-480 VDC (The number of batteries can be selected from 30 to 40; 32 batteries in default)					
<b>OUTPUT</b>						
Output wiring	3Ph+N+PE					
Voltage	380/400/415 Vac ± 1%					
Frequency	Tracking the bypass input (Online Mode); 50/60Hz ± 0.1% (Battery Mode)					
Waveform	Sine wave (THDv <1% for linear load)					
Overload capacity	Inverter: 110% overload for 60 min; 125% overload for 10 min; 150% overload for 1min Bypass: 135% overload for long term; > 1000% overload for 100 ms					
<b>SYSTEM</b>						
Output power factor	1					
Efficiency	96%					
Expandability	Up to 4 units connected in parallel					
Cable entry route	From the top of from the bottom					
<b>ENVIRONMENT</b>						
Operating temperature	0-40 °C (Excludes Batteries)					
Storage temperature	-40 - 70 °C					
Relative humidity	0%-95% (No condensing)					
Maximum operation altitude	1000 m. Above 1000 m, derating 1% for each additional 100 m					
Audible noise	66-75dB					
<b>OTHER</b>						
Height x Width x Depth (mm)	2000x600x850		2000x1200x850		2000x2000x850	2000x2400x850
Weight	224-350 kg	250-410 kg	461-685 kg	647-935 kg	708-1060 kg	1060-1540 kg
Certification	YD/1095-2008;EN/IEC 62040-1; EN/IEC 62040-2; EN/IEC 62040-3; TLC;CE; CB; RoHS, REACH, WEEE					
Communications	Dry contacts, RS485, SNMP					

**Contact us;**  
Telephone; 0845 130 6118  
email; [enquiries@sielenergy.co.uk](mailto:enquiries@sielenergy.co.uk)

SIEL Energy Systems Ltd

Specification subject to change without notice.