

Liebert® S600E

20 kVA 3 X 3

True Online Double Conversion UPS with extended runtime capabilities
Liebert® S600E (3 X 3) Series systems is true double conversion online UPS systems designed to provide with a capacity of 20kVA. Liebert® S600E (3 X 3) units feature precise output voltage and clean power, making the systems ideal for Data Networks / Small Data Centers / VOIP Applications. The units support parallel configuration, making them suited for critical application.

FEATURES

- 1 True double-conversion
- 2 DSP technology guarantees high performance
- 3 Output power factor 0.9
- 4 Active power factor correction in all phases
- 5 50Hz/60Hz frequency converter mode
- 6 ECO mode operation for energy saving (ECO)
- 7 Emergency power off function (EPO)
- 8 Generator compatible
- 9 SNMP+USB+RS-232 multiple communications
- 10 3-stage extendable charging design for optimized battery performance
- 11 Adjustable battery numbers for long-run model
- 12 Maintenance bypass available
- 13 Parallel operation



Liebert® S600E (3 X 3)

Model		S600E 20KVA (3in/3out)
System parameter		
Rating	20KVA/18kw (3in-3out)	
Input		
Rated voltage	415VAC 3-phase,4-wire	
Volatge Range	Three phase 310VAC -502VAC at 100% load,181VAC -502VAC at 50% load	
Rated Frequency	50Hz/60Hz	
Frequency Range	40Hz ~ 70Hz	
Power factor	0.95 at full load	
Input phase reversal correction	No	
Output		
Rated power	20KVA/18kw	
Voltage	Three Phase 380/400/415 Vac	
Frequency synchronization range	Rated frequency±3Hz. Configurable range: ±0.5Hz ~ ±5Hz	
Rated Power Factor	Unity	
Crest Factor	3:1'	
Voltage harmonic distortion	< 2% (linear load)	
Voltage Regulation	1%	
Dynamic response recovery time	40ms	
Inverter Overload Capability on utility mode	At 25°C: 105% ~ 125%- 5min; 125% ~ 150%-1min; 150%- more than 200ms	
Inverter Overload Capability on battery mode	At 25°C :105% ~125%-60~ 30 s; >125%- more than 200ms	
Bypass		
Seprate bypass	Yes	
Static bypass	Inbuilt	
Efficiency		
ECO Mode	>94%	
Online mode (AC-AC)	> 91%	
Inverter Efficiency(DC-AC)	>94%	
Battery		
Type	Sealed, lead-acid,Tubular	
No's of Batteries	24(1),32,40 ; 32 by default	
Battery charging capacity	13A	
Transfer Time		
Mains - Battery	0ms	
Inverter-Bypass	Synchronous transfer: ≤0ms, Asynchronous transfer (default): ≤20ms	
Noise		
Noise	<65db	
Panel display mode		
Display type	Graphical LCD display	
Environmental parameter		
Operating temperature	0°C ~ 50°C	
Storage temperature	-40°C ~ +70°C (battery excluded); -25°C ~ +55°C (battery included)	
Relative humidity	5%RH ~ 95%RH, non-condensing	
Altitude	≤3000m; derating when higher than 3000m	
Mechanical parameter		
W*D*H (mm)	334 * 654 * 1300	
Weight (Kg)	280kg	
Ventilation	Forced -air cooled	
Ingress protection level	IP20	
Color	Powder coated Black Texture finish	
Cable entry	Rear bottom	
Network Management		
Smart RS232/USB	Supports Windows 2000/2003/XP/Vista/2008,Windows 7,Linux,unix and MAC	
SNMP	Inbuilt for web monitoring	
Optional SNMP	Power management from SNMP manager and web browser	
Management software	Site monitor	
Modbus	Inbuilt via multifunction port	



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