

Liebert® S600E

20 kVA 3 X 3



FEATURES

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

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.



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	
Seperate 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

Note : (1) UPS power will be derate to 70% of the total capacity

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