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Liebert®

POWERBANK 600

Efficient & Robust Online UPS
For Critical Applications

Enabling Tomorrow's

CRITICAL EDGE INFRASTRUCTURE

We helped some of the largest names in the industry bring new capacity online faster and at a lower cost when search and social media increased demand for storage and computing.

Protecting your critical technologies takes more than just great software and equipment. It takes a level of experience that only comes from years of finding solutions when the industry needed them most. We were the first to protect mainframes with precision cooling systems.

And now as challenges and demands grow, we continue to find better ways to help you strengthen your most vital applications. Formerly the Network Power business of Emerson, we've brought together the most trusted and experienced names in critical infrastructure.

We were the first to introduce an integrated enclosure system to distributed networks.

Complemented by a network of nearly 250 service centers worldwide. It's a combination of experience and resources that allow us to better adapt to what's needed, anticipate what's next and continue to find solutions in ways other companies simply can't.

Our portfolio spans power, thermal and infrastructure management products, software and solutions.

Liebert®
POWERBANK 600

In today's dynamic world, it is not enough for enterprises to have basic power protection. With digital trends constantly emerging and transforming the way you do business, business continuity is all the more vital. You simply cannot afford downtime in your critical system or waste time recovering these systems after a disruption. What you need is a robust, high-speed, reliable UPS system, which offers perennial, round-the-clock protection to diverse application needs.

Our Solution

The Liebert® Powerbank 600 is a fully-digital, highly reliable, True Online double conversion UPS solution that delivers clean and consistent power. This highly efficient solution is ideal for various deployments, whether it's IT racks, network closets, automation control systems, and precision instruments to small-sized control rooms among other edge applications.

- Cutting –edge design enables seamless integration into various ecosystems
- Tailored for global deployment in a low carbon, compact footprint

The ultimate level of engineering and dynamics that have gone beyond the development of this next-generation, innovative product facilitate top-notch availability and excellent performance at a low cost of ownership, giving you ultimate peace of mind.

Liebert®
POWERBANK 600

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Inbuilt isolation transformer

Unity power factor

Efficiency >89% with inbuilt transformer

Higher operating temp-0⁰ to 50⁰

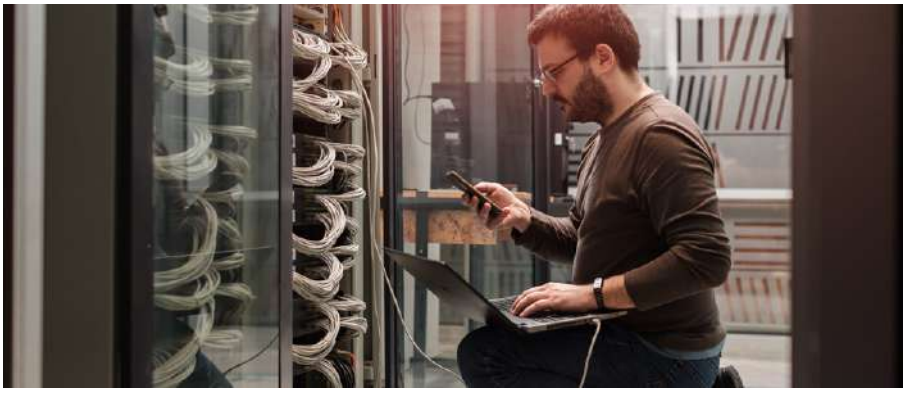
Settable battery options

Operates in a parallel configuration upto 4 nos

LI-ion battery compatible

Graphical touch screen system LCD display provides user-friendly operating interface

Integrated SNMP for monitoring and modbus function



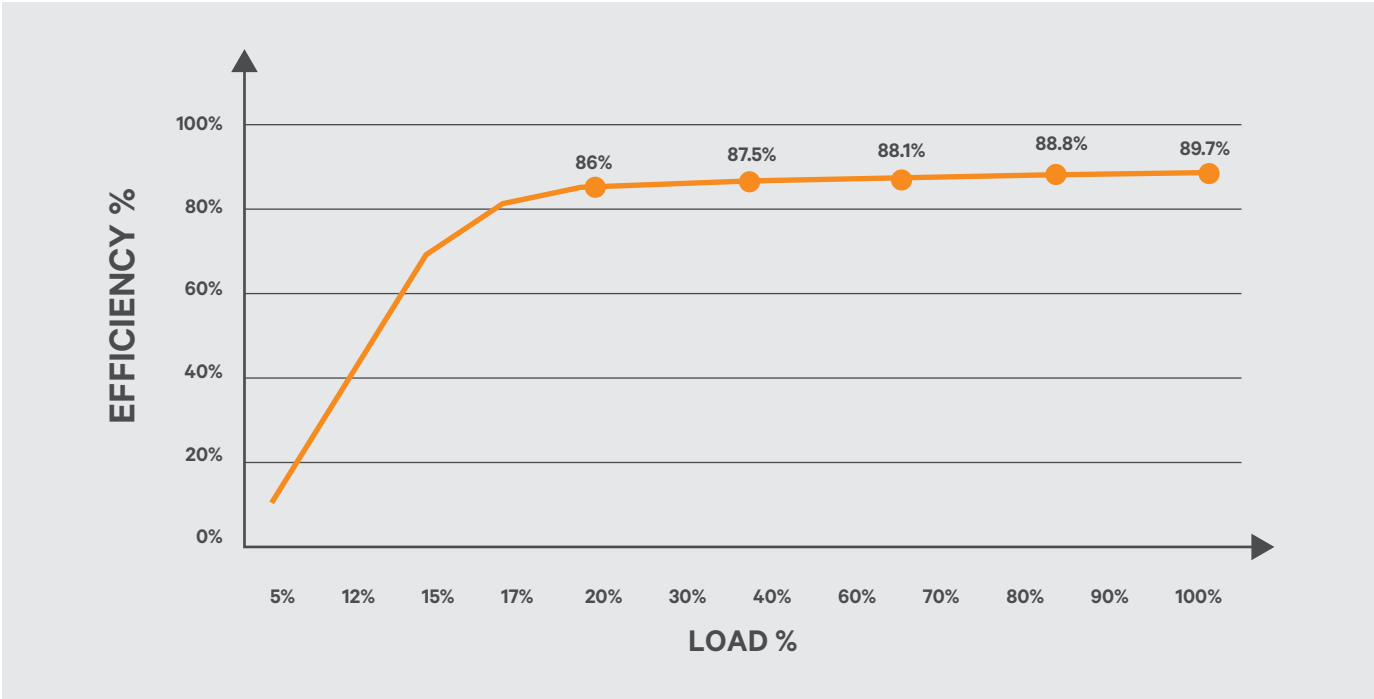
Application Areas

- Edge Networks
- Data Centers
- Analytical instruments
- Server Farms
- Workstations
- Telecom

Liebert®
POWERBANK 600

The Most Efficient UPS

Liebert® Powerbank 600 offers best-in-class efficiency of up to 89% over a wide range of load conditions, resulting in significant OPEX cost savings. Liebert® Powerbank 600's integrated Smart Sleep technology in ECO mode provides a superlative efficiency of up to 94%.



Liebert®
POWERBANK 600

Available in different wattage variations, Liebert® Powerbank 600 is ideal in edge of networks, light industrial applications and data centers, blending easily into any virtualized environment and providing comprehensive power protection at lower operating costs.

Reliability in a Compact Footprint:

- Fully-digital control with high output voltage precision.
- Manages all the nine power problems including sagging, spikes, and fluctuations.
- Built-in Ethernet port includes compatibility with intelligent cards (SIC card, RDU_SIC cards, etc.,) with browser support.
- Built-in-power charger for fast charging reduces battery charging time.
- Prolonged backup time through cascaded connection.

High Availability

Inbuilt isolation transformer
Protects UPS and load from high voltage fluctuations.

Early Warning of UPS System Status:
Multiple audible and visual alarms immediately alert you to critical issues.

Periodic Battery Testing
Provides automatic and manual self-diagnostic battery testing for peace of mind.

Power-Factor Correction
Prevents noise, harmonics, and distortion from being passed on to connected loads or from being fed back to the utility.

Lightning and Surge Protection
The transient voltage surge suppression circuitry inside the Liebert® Power bank 600 provides additional protection for the connected equipment.

Wide Input Voltage Window
Prolongs battery life by allowing the UPS to maximize the use of utility power before transferring to the battery when the input voltage exceeds the specified limits.

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Technical Specifications

	MODEL	POWERBANK 600
	Rating	6kVA (1in - 1out)
Input	Rated voltage	230VAC 1-phase,3-wire
	Voltage Range	176 -288VAC at 100% load; 100VAC - 288VAC on 50% load
	Rated Frequency	50Hz/60Hz
	Frequency Range	40Hz ~ 70Hz
	Power factor	≥0.99 at full load , ≥0.98 at full load ,
Output	Rated power	6KVA/6kW
	Voltage	220/230/240VAC (single phase)
	Frequency synchronization range	Rated frequency±3Hz. Configurable range: ±0.5Hz ~ ±5Hz
	Rated Power Factor	Unity
	Crest Factor	3:1'
	Voltage harmonic distortion	< 1% (linear load)
	Voltage Regulation	1%
	Dynamic response recovery time	60ms
	Isolation transformer	Inbuilt
	Parallel function	Max 4 (N+1)
	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
	Output waveform	Pure Sinewave
Bypass	Seperate bypass	No
	Static bypass	Inbuilt
	Manual bypass	Inbuilt
Efficiency	ECO Mode	94%
	Online mode (AC-AC)	> 89%
	Inverter Efficiency(DC-AC)	>88%
Battery	Type	Sealed, lead-acid, Tubular, LI-ION
	No's of Batteries	12(1), 16, 20; 16 by default
	Battery Fuse disconnector	Inbuilt
	Battery charging capacity	5A
Transfer Time	Mains - Battery	0ms
	Inverter-Bypass	Synchronous transfer: ≤0ms
		Asynchronous transfer (default): ≤20ms
Noise		<65db
Panel display mode		Graphical LCD display
Ambient conditions	Operating temperature	0°C ~ 50°C(2)
	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)	500 X 525 X 400
	Weight (Kg)	85Kg
	Ventilation	Forced -air cooled
	Ingress protection	IP20
	Color	Powder coated Black Texture finish
	Cable entry	Bottom
Network Management	Smart RS232/USB	Supports Windows 2000/2003/XP/Vista/2008, Windows 7, Linux, unix and MAC
	SNMP	Inbuilt for web monitoring only
	Optional SNMP	Power management from SNMP manager and web browser
	Modbus	Inbuilt via multifunction port

Note : (1) UPS power will derate to 70% of the total capacity
(2) UPS power will derate to 80% at 40deg, 70% at 50deg
*conditions apply

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Liebert®

Powerbank 600 RT 3 X 1
Compact, efficient & robust UPS
for critical applications

Liebert® Powerbank 600 RT 3 X 1

In today's dynamic world, it is not enough for enterprises to have basic power protection. With digital trends constantly emerging and transforming the way you do business, business continuity is all the more vital. You simply cannot afford downtime in your critical system or waste time recovering these systems after a disruption. What you need is a robust, high-speed, reliable UPS system, which offers perennial, round-the-clock protection to diverse application needs.

APPLICATION AREAS

- Edge Networks
- Data Centers
- Analytical instruments
- Server Farms
- Workstations
- Telecom

Our Solution

The Liebert® Powerbank 600 RT 3 X 1
is a fully-digital, highly reliable, True Online double conversion UPS solution that delivers clean and consistent power. This highly efficient solution is ideal for various deployments, whether it's IT racks, network closets, automation control systems, and precision instruments to small-sized control rooms among other edge applications.

- Cutting –edge design enables seamless integration into various ecosystems
- Tailored for global deployment in a low carbon, compact footprint

The ultimate level of engineering and dynamics that have gone beyond the development of this next-generation, innovative product facilitate top-notch availability and excellent performance at a low cost of ownership, giving you ultimate peace of mind.

Inbuilt isolation transformer

Efficiency >90% with inbuilt transformer

3 X 1 Configuration

LI-ion battery compatible

Integrated SNMP for monitoring and modbus function

Settable battery options

Operates in a parallel configuration upto 4 nos

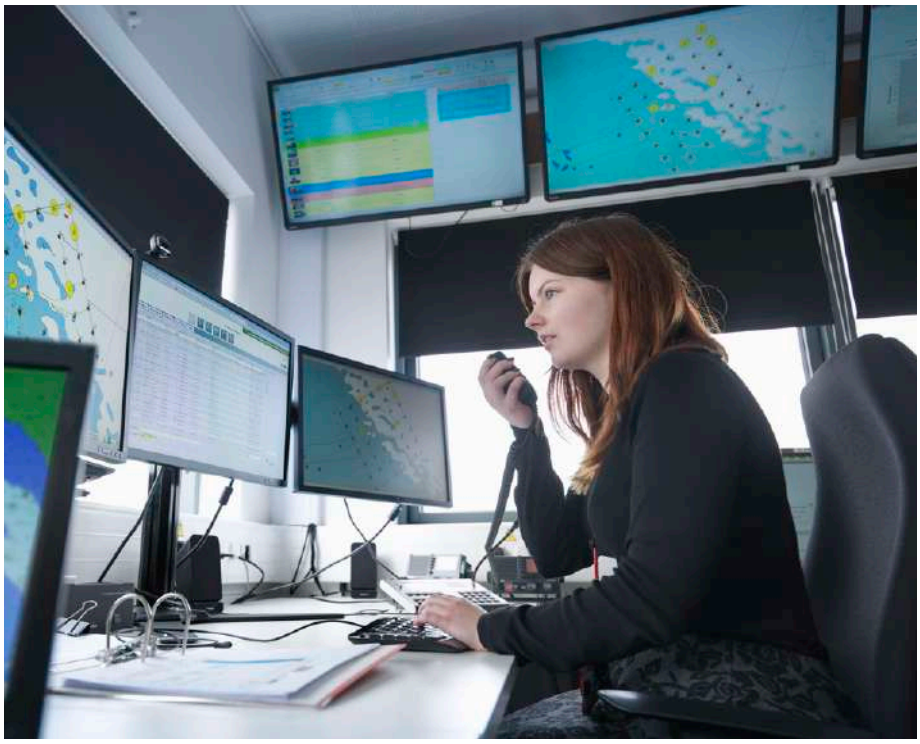
Rack and Tower Convertible

Higher operating temp-0^0 to 50^0

Unity power factor

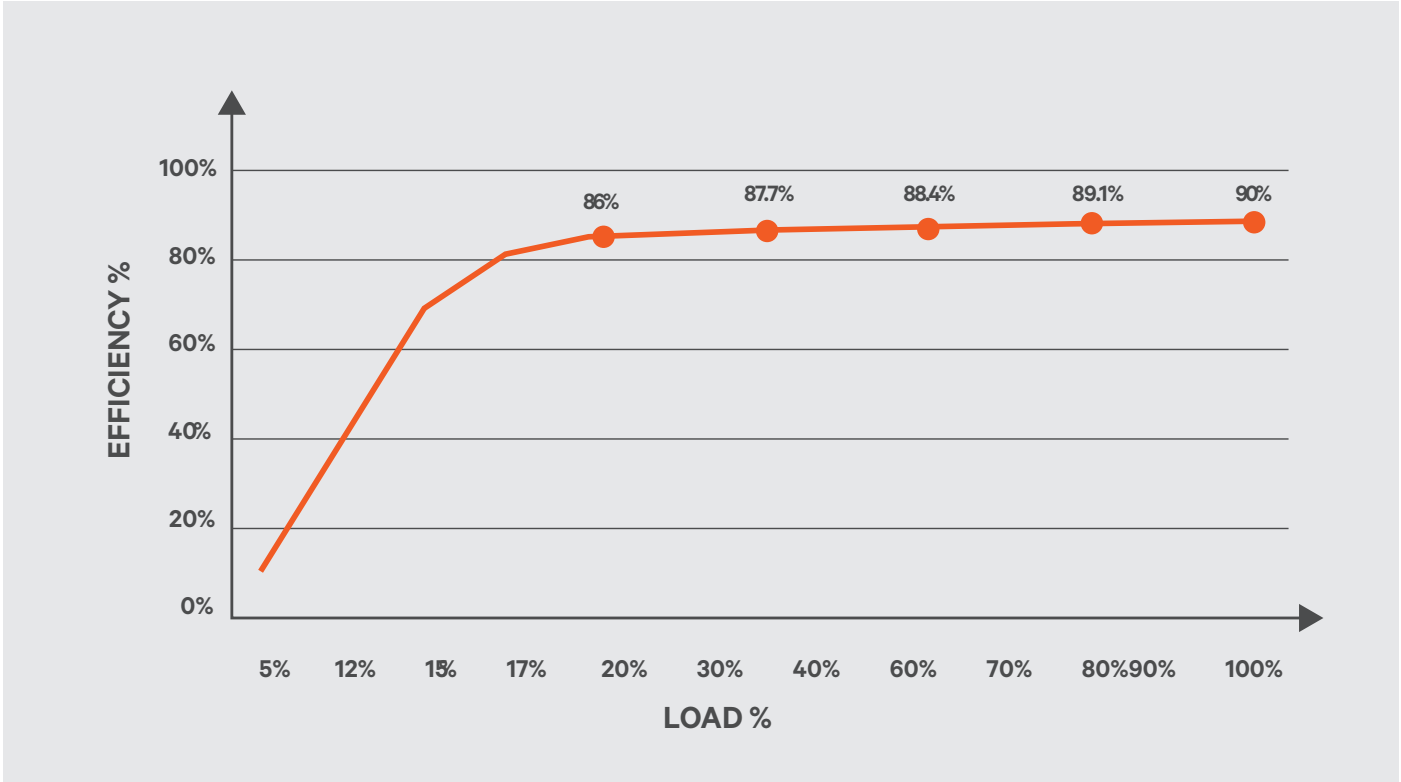
Battery Module (3U)

Flexible, easily installed in pre-configured customized server racks which saves footprint & cost too.



The Most Efficient UPS

Liebert® Powerbank 600 RT 3 X 1 offers best-in-class efficiency of up to >90% over a wide range of load conditions, resulting in significant OPEX cost savings. Liebert® Powerbank 600 RT 3 X 1's integrated Smart Sleep technology in ECO mode provides a superlative efficiency of up to 94%.



High Availability

Inbuilt isolation transformer

Protects UPS and load from high voltage fluctuations.

Early Warning of UPS System Status:

Multiple audible and visual alarms immediately alert you to critical issues.

Periodic Battery Testing

Provides automatic and manual self-diagnostic battery testing for peace of mind.

Power-Factor Correction

Prevents noise, harmonics, and distortion from being passed on to connected loads or from being fed back to the utility.

Lightning and Surge Protection

The transient voltage surge suppression circuitry inside the Liebert® Powerbank 600 RT provides additional protection for the connected equipment.

Wide Input Voltage Window

Prolongs battery life by allowing the UPS to maximize the use of utility power before transferring to the battery when the input voltage exceeds the specified limits.

Available in different wattage variations, Liebert® Powerbank 600 RT 3 X 1 is ideal in edge of networks, light industrial applications and data centers, blending easily into any virtualized environment and providing comprehensive power protection at lower operating costs.

Reliability in a Compact Footprint:

- Fully-digital control with high output voltage precision.
- Manages all the nine power problems including sagging, spikes, and fluctuations.
- Built-in Ethernet port includes compatibility with intelligent cards (SIC card, RDU_SIC cards, etc.,) with browser support. Integrable with SCADA and BMS.
- Built-in-power charger for fast charging reduces battery charging time.
- Prolonged backup time through cascaded connection.

Technical Specifications

Model		POWER BANK 600 RT 3 X 1
Input	Rating	6kVA (3in - 1out)
	Rated voltage	415Vac/430Vac/440Vac
	Volatge Range	3 Phase 288 Vac to 478 Vac
	Rated Frequency	50Hz/60Hz
	Frequency Range	40Hz ~ 70Hz
	Power factor	≥0.99 at full load , ≥0.98 at full load ,
	Thdi	< 5%: Linear load
	Isolation transformer	Inbuilt
Output	Rated power	6KVA/6kW
	Voltage	220/230/240VAC (single phase)
	Frequency synchronization range	Rated frequency±3Hz. Configurable range: ±0.5Hz ~ ±5Hz
	Rated Power Factor	Unity
	Crest Factor	3:1'
	Voltage harmonic distortion	< 1% (linear load); < 8% (non-linear load)
	Voltage Regulation	± 1%
	Dynamic response recovery time	60ms
	Parallel function	Max 4 (N+1)
	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	No
	Static bypass	Inbuilt
	Manual bypass	Inbuilt
	ECO Mode	94%
Efficiency	Online mode (AC-AC)	> 90%
	Inverter Efficiency(DC-AC)	>94%
Battery	Type	Sealed, lead-acid, maintenance-free battery
	No's of Batteries	12(1), 16, 20; 16 by default
	Battery Fuse disconnector	Inbuilt
	Battery charging capacity	5A
Transfer Time	Mains - Battery	0ms
	Inverter-Bypass	Synchronous transfer: ≤0ms Asynchronous transfer (default): ≤20ms Or 40ms, 60ms, 80ms, 100ms and 200ms are available
Noise		<65db
Panel display mode		Colorful LCD
Ambient conditions	Operating temperature	0°C ~ 50°C (0.7 will be derated when above 50°C) (2)
	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
	W*H*D (mm)	440x550x550 (12U Height)
Mechanical parameter	Weight (Kg)	100Kg(Approx)
	Ventilation	Forced -air cooled
	Ingress protection	IP20
	Color	Powder coated Black Texture finish
	Cable entry	Bottom
	Smart RS232/USB	Supports Windows 2000/2003/XP/Vista/2008,Windows 7,Linux,unix and MAC
Network Management	SNMP	Inbuilt for web monitoring only
	Optional SNMP	Power management from SNMP manager and web browser
	Modbus	Inbuilt via multifunction port

Note : (1) UPS power will derate to 70% of the total capacity
(2) UPS power will derate to 80% at 40° and 70% at 50°
*conditions apply

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Liebert®

S600D
10-20KVA
Efficient & Robust UPS
for Critical Applications

Liebert® S600D
10-20KVA

In today's dynamic world, it is not enough for enterprises to have basic power protection. With digital trends constantly emerging and transforming the way you do business, business continuity is all the more vital. You simply cannot afford downtime in your critical system or waste time recovering these systems after a disruption. What you need is a robust, high-speed, reliable UPS system, which offers perennial, round-the-clock protection to diverse application needs.

Our Solution

The Liebert® S600D is a fully-digital, highly reliable, double conversion UPS solution that delivers clean and consistent power. This highly efficient solution is ideal for various deployments, whether it's IT racks, network closets, automation control systems, and precision instruments to small-sized control rooms among other edge applications.

- Cutting-edge design enables seamless integration into various ecosystems
- Tailored for global deployment in a low carbon, compact footprint

The ultimate level of engineering and dynamics that have gone beyond the development of this next-generation, innovative product facilitate top-notch availability and excellent performance at a low cost of ownership, giving you ultimate peace of mind.

Application Areas

- Edge Networks
- Data Centers
- Analytical instruments
- Server Farms
- Workstations
- Telecom

Inbuilt isolation transformer

Unity power factor

Efficiency >91% with inbuilt transformer

Higher operating temp- 0^0 to 50^0

Settable battery options

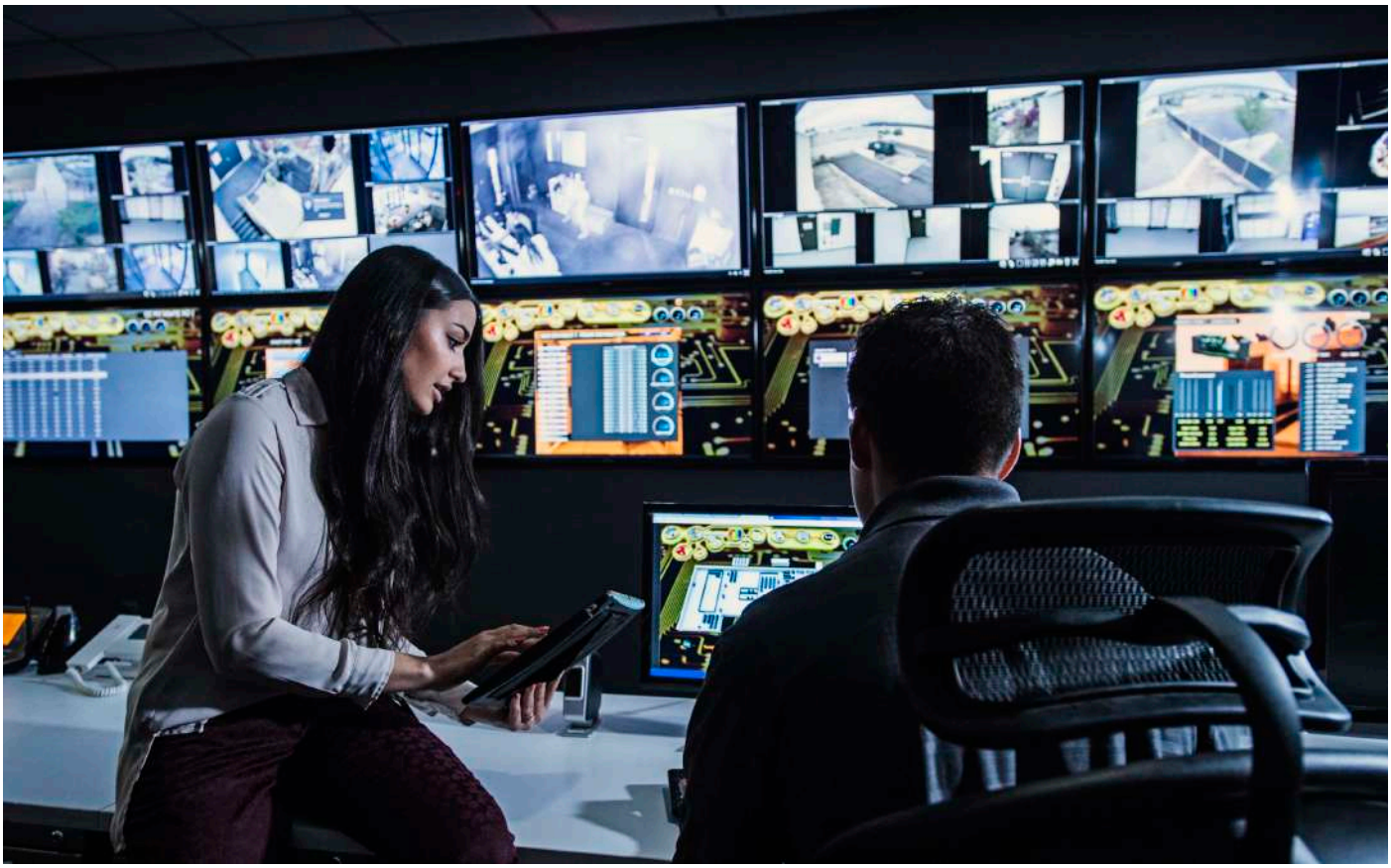
10-20 kVA

Operates in a parallel configuration upto 4 nos

LI-ion battery compatible

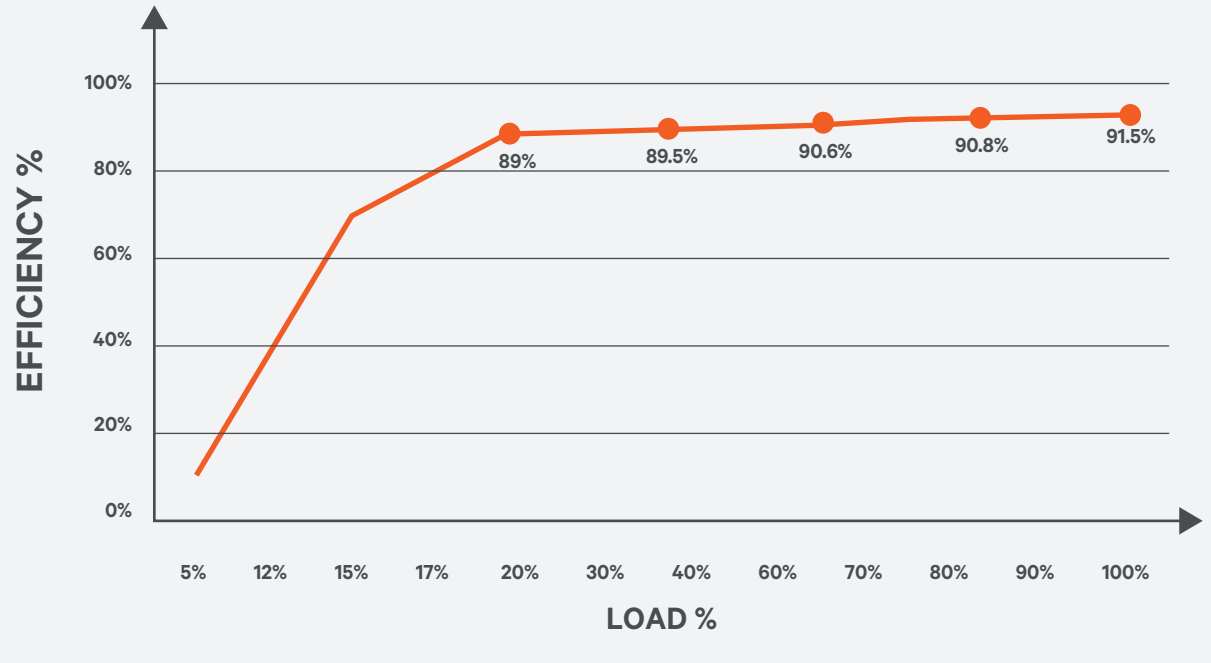
Graphical screen syste LCD display provides user-friendly operating interface

Integrated SNMP for monitoring



The Most Efficient UPS

Liebert® S600D offers best-in-class efficiency of up to 91% over a wide range of load conditions, resulting in significant OPEX cost savings. S600D's integrated Smart Sleep technology in ECO mode provides a superlative efficiency of up to 94%.



Available in different wattage variations, Liebert® S600D is ideal in edge of networks, light industrial applications and data centers, blending easily into any virtualized environment and providing comprehensive power protection at lower operating costs.

Reliability in a Compact Footprint:

- Fully-digital control with high output voltage precision.
- Manages all the nine power problems including sagging, spikes, and fluctuations.
- Built-in Ethernet port includes compatibility with intelligent cards (SIC card, RDU_SIC cards, etc.,) with browser support.
- Built-in-power charger for fast charging reduces battery charging time.

High Availability

Inbuilt isolation transformer
Protects UPS and load from high voltage fluctuations.

Early Warning of UPS System Status: Multiple audible and visual alarms immediately alert you to critical issues.

Periodic Battery Testing
Provides automatic and manual self-diagnostic battery testing for peace of mind.

Power-Factor Correction
Prevents noise, harmonics, and distortion from being passed on to connected loads or from being fed back to the utility.

Lightning and Surge Protection
The transient voltage surge suppression circuitry inside the Liebert® S600D provides additional protection for the connected equipment.

Wide Input Voltage Window
Prolongs battery life by allowing the UPS to maximize the use of utility power before transferring to the battery when the input voltage exceeds the specified limits.

Technical Specifications

	Model	10kVA	20kVA
	Rating	10kVA (3in - 1out)	20kVA (3in - 1out)
Input	Rated voltage	380/400/415 Vac 3-phase,4 wire	380/400/415 Vac 3-phase,4 wire
	Volatge Range	176-288Vac (Phase to Neutral) at 100% load; 100Vac -288Vac (Phase to Neutral) at 50% load	
	Rated Frequency	50Hz/60Hz	
	Frequency Range	40Hz ~ 70Hz	
	Power factor	≥0.95 at full load	
	Input phase reversal correction	Inbuilt	Optional
Output	Rated power	10kVA/10kW	20kVA/20kW
	Voltage	220/230/240Vac (single phase)	
	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	2%	
	Dynamic response recovery time	60ms	40ms
	Isolation transformer	Inbuilt at UPS output	
	Inverter Overload Capability the utility mode	At 25°C: 105% ~ 125%- 5min; 125% ~ 150%-1min; 150%- more than 200ms	
	Inverter Overload Capability the battery mode	At 25°C :105% ~125%-60~ 30 s; >125%- more than 200ms	
Bypass	Maintenance Bypass	Inbuilt	
	Seprate bypass	Yes	
	Static bypass	Inbuilt	
Efficiency	ECO Mode	> 94%	> 94%
	Online mode (AC-AC)	> 91%	> 91%
	“Inverter Efficiency (DC-AC)”	88%	88%
Battery	Type	Sealed Maintenance Free Valve Regulated Lead Acid/ Lithium-ion Batteries	
	No’s of Batteries	12(1), 16, 18, 20; 16 by default	24(1), 32, 34, 36, 38, 40; 32 by default
	Battery Fuse disconnector	Inbuilt	
	Battery charging capacity	8A	13A
Transfer Time	Mains - Battery	0ms	
	Inverter- Bypass	Synchronous transfer: ≤0ms	
		Asynchronous transfer (default): ≤20ms	
UPS Parallel Numbers		4	
Noise		<65db	
Panel display mode		Graphical LCD display	
Ambient Conditions	Operating temperature	0°C ~ 50°C(2)	
	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	
Machanical parameter	W*D*H (mm)	335 X 650 X 1300	335 X 650 X 1300
	Weight (Kg)	150	175
	Ventilation	Forced -air cooled	
	Ingress protection	IP20	
	Color	Powder coated Black Texture finish	
	Cable entry	Bottom	
Network Management	Smart RS232/USB	Supports Windows 2000/2003/XP/Vista/2008,Windows 7,Linux,unix and MAC	
	“Web-page Monitoring (SNMP)”	Inbuilt for Web-based monitoring	
	Advanced SNMP(Remote Alarm management)	Optional “RDU SIC G2” card needs to be considered for remote power management, alarm management, email alerts,etc.	
	Management Software	Site Monitor	
	Modbus	Inbuilt Via Multifunction port	

Note : (1) UPS power will derate to 70% of the total capacity
*(2) UPS power will derate to 80% at 40deg, 70% at 50deg *conditions apply*

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Liebert®

S600E
10-20KVA (3in-3out)
Efficient & Robust UPS
for Critical Applications

Liebert® S600E™
10-20KVA (3in-3out)

In today's dynamic world, it is not enough for enterprises to have basic power protection. With digital trends constantly emerging and transforming the way you do business, business continuity is all the more vital. You simply cannot afford downtime in your critical system or waste time recovering these systems after a disruption. What you need is a robust, high-speed, reliable UPS system, which offers perennial, round-the-clock protection to diverse application needs.

Our Solution

The Liebert® S600E™ is a fully-digital, highly reliable, double conversion UPS solution that delivers clean and consistent power. This highly efficient solution is ideal for various deployments, whether it's IT racks, network closets, automation control systems, and precision instruments to small-sized control rooms among other edge applications.

- Cutting-edge design enables seamless integration into various ecosystems
- Tailored for global deployment in a low carbon, compact footprint

The ultimate level of engineering and dynamics that have gone beyond the development of this next-generation, innovative product facilitate top-notch availability and excellent performance at a low cost of ownership, giving you ultimate peace of mind.

Application Areas

- Edge Networks
- Data Centers
- Analytical instruments
- Server Farms
- Workstations
- Telecom

Inbuilt isolation transformer

Unity power factor

Efficiency >91% with inbuilt transformer

Higher operating temp- 0^0 to 50^0

Settable battery options

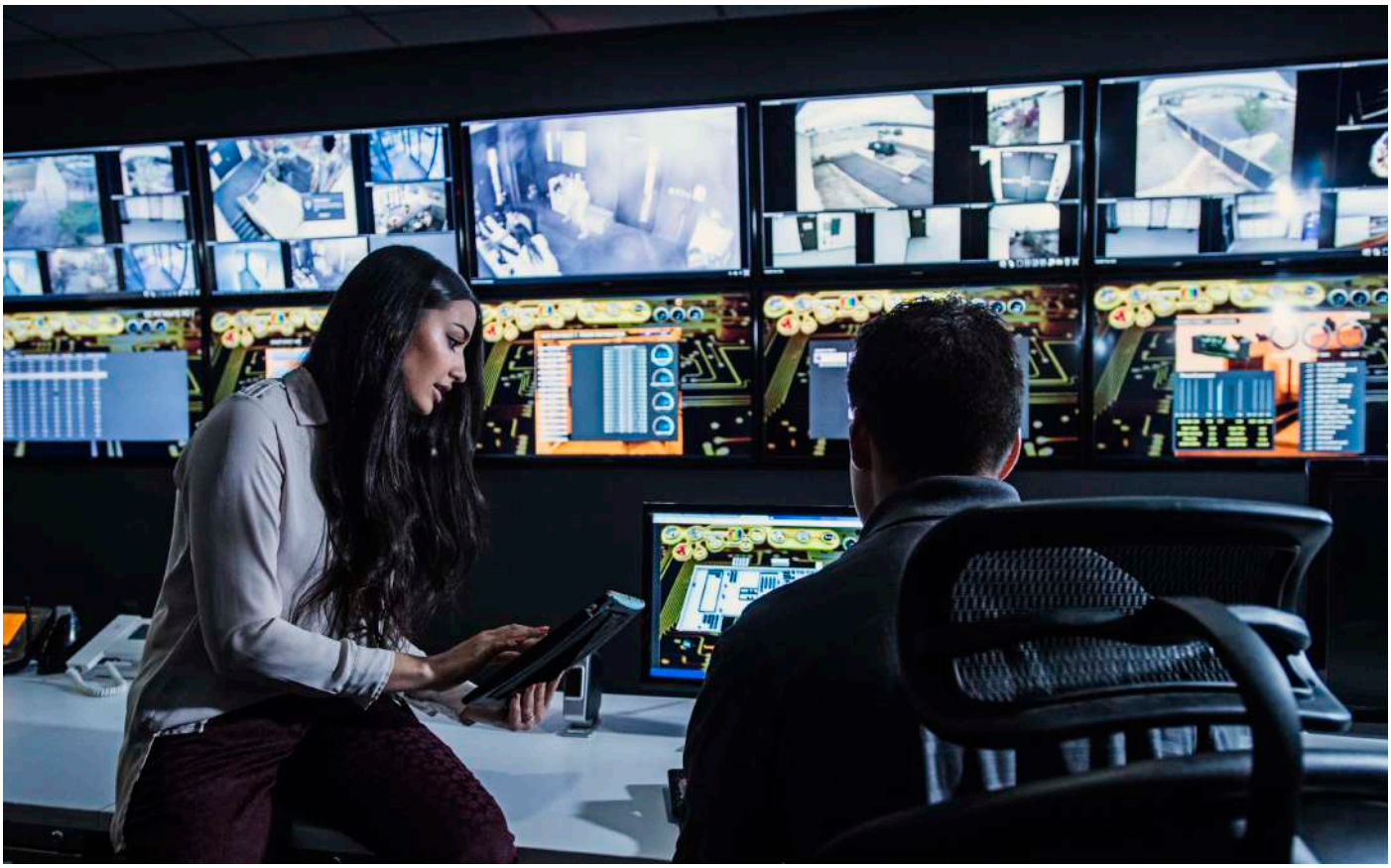
10-20 kVA

Operates in a parallel configuration upto 4 nos

LI-ion battery compatible

Graphical screen syste LCD display provides user-friendly operating interface

Integrated SNMP for monitoring



The Most Efficient UPS

Liebert® S600E™ offers best-in-class efficiency of up to 91% over a wide range of load conditions, resulting in significant OPEX cost savings. S600E's integrated Smart Sleep technology in ECO mode provides a superlative efficiency of up to 94%.

Available in different wattage variations, Liebert® S600E is ideal in edge of networks, light industrial applications and data centers, blending easily into any virtualized environment and providing comprehensive power protection at lower operating costs.

Reliability in a Compact Footprint:

- Fully-digital control with high output voltage precision.
- Manages all the nine power problems including sagging, spikes, and fluctuations.
- Built-in Ethernet port includes compatibility with intelligent cards (SIC card, RDU_SIC cards, etc.,) with browser support.
- Built-in-power charger for fast charging reduces battery charging time.

High Availability

Inbuilt isolation transformer
Protects UPS and load from high voltage fluctuations.

Early Warning of UPS System Status: Multiple audible and visual alarms immediately alert you to critical issues.

Periodic Battery Testing
Provides automatic and manual self-diagnostic battery testing for peace of mind.

Power-Factor Correction
Prevents noise, harmonics, and distortion from being passed on to connected loads or from being fed back to the utility.

Lightning and Surge Protection
The transient voltage surge suppression circuitry inside the Liebert® S600E provides additional protection for the connected equipment.

Wide Input Voltage Window
Prolongs battery life by allowing the UPS to maximize the use of utility power before transferring to the battery when the input voltage exceeds the specified limits.

Technical Specifications

Model	S600E 10KVA (3in-3out)	S600E 20KVA (3in-3out)
System parameter		
Rating	10KVA/10KW	20KVA/20KW
Technology	IGBT based Double conversion PWM based online UPS	
Parallel mode	4 (N+1)	
Isolation transformer	At input side	
Installation mode	Tower	
Input		
Rated voltage	400VAC 3-phase,4-wire	
Volatge Range	Three phase 305VAC -498VAC at 100% load,180VAC -498VAC at 50% load	
Rated Frequency	50Hz/60Hz	
Frequency Range	40Hz ~ 70Hz	
Thdi	<5%	
Power factor	0.99 at full load	
Output		
Rated power	10KVA/10KW	20KVA/20KW
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	Inbuilt	
Static bypass	Inbuilt	
Maintenance bypass	Inbuilt	
Efficiency		
ECO Mode	>94%	>98%
Online mode (AC-AC)	> 92%	
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	
Common battery	Available	
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	
No of events stored	Max 256	
Orientation	Gravity sense	
Environmental parameter		
Operating temperature	0°C ~ 50°C(2)	
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)	335*654*1300	
Weight (Kg)	150	175
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 derate to 70% of the total capacity
(2) UPS power will derate to 80% at 40deg, and 70% at 50deg

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