



Liebert®

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



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° to 50°

Unity power factor

Battery Module (3U)

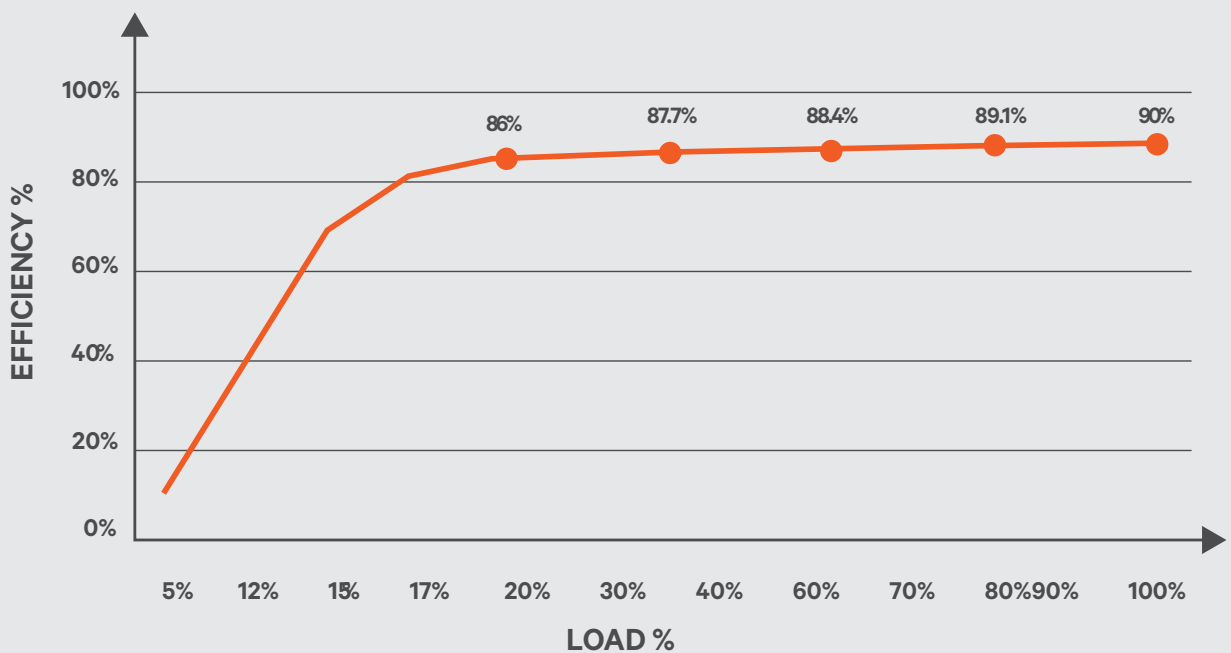


Flexible, easily installed in pre-configured customized server racks which saves footprint & cost too.



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	Seperate 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 disconnecter	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
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 40° and 70% at 50°
*conditions apply



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