



Liebert®

Powerbank 600 RT
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 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

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

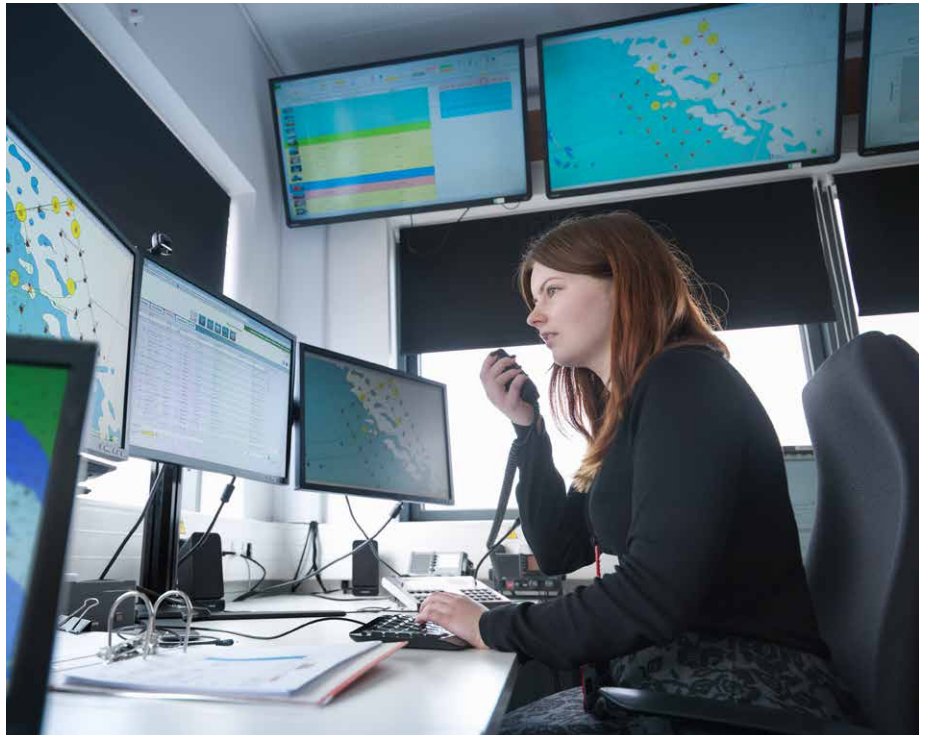
Higher operating temp-0° to 50°

Unity power factor

Battery Module (3U)

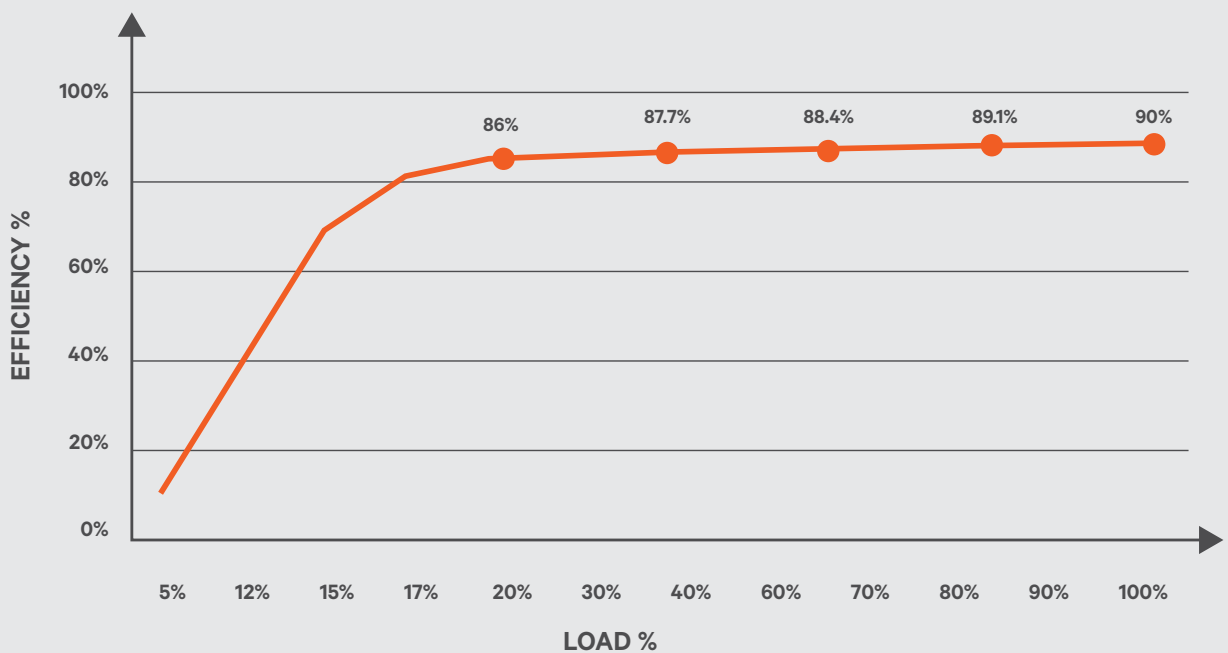


Flexible, easily installed in pre-configured customized server racks which saves footprint & cost too.



The Most Efficient UPS

Liebert® Powerbank 600 RT 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.

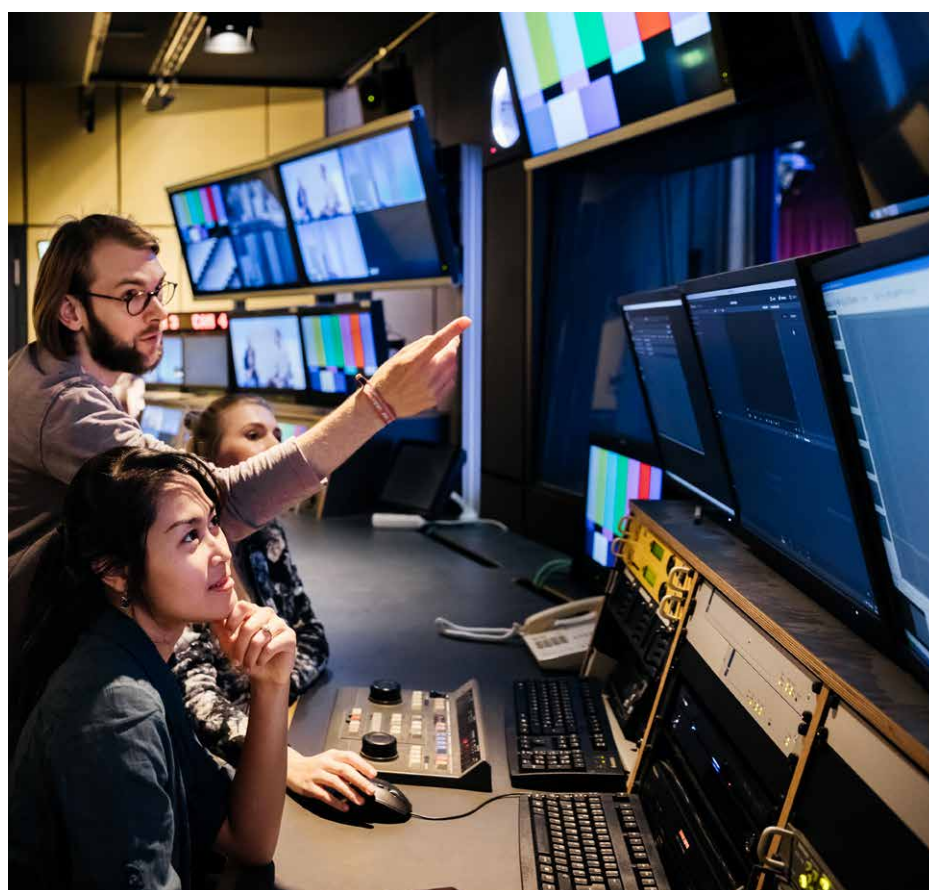
Wide Input Voltage Window

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 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 1 X 1	Power Bank 600 RT 3 X 1
Input	Rating	6kVA/6kW (1in - 1out)	
	Rated voltage	230Vac	415Vac
	Voltage Range	176 -288VAC at 100% load; 100VAC - 288VAC on 50% load	305 -498VAC at 100% load; 174 - 498VAC on 50% load
	Rated Frequency	50Hz/60Hz	
	Frequency Range	40Hz ~ 70Hz	
	Power factor	≥0.99 at full load	
Isolation Transformer	Inbuilt	At output side	At input side
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	
	Paralleling Capacity	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	Separate bypass	No	
	Static bypass	Inbuilt	
	Maintenance bypass	Inbuilt	
Efficiency	ECO Mode	94%	
	Online mode (AC-AC)	89%	89%
	Inverter Efficiency(DC-AC)	88%	94%
Battery	Type	Sealed lead-acid SMF VRLA,Lithium Ion	
	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	Graphical LCD		
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*H*D (mm)	440x550x550 (13U)	
	Weight (Kg)	85Kg(Approx)	96Kg(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 be derate to 70% of the total capacity
(2) UPS power will derate to 80% at 40° and 70% at 50°



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