



Series 7400 M (10/30/40/60 kVA)

Power Availability

MAXIMUM PROTECTION FOR
MISSION CRITICAL NETWORK APPLICATIONS



Series 7400 M



Compact Three-phase UPS with

Optimum Load Performance And

Battery Management System



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COMPACT 3-PHASE UPS WITH OPTIMUM LOAD PERFORMANCE AND BATTERY MANAGEMENT SYSTEM

Today's electrical network cannot provide High Nine power quality. Many problems like voltage / frequency fluctuations, harmonics, transients, blackouts, brownouts are still present. They may cause your critical and sensitive systems to fail with negative impact on your business.

The Liebert series 7400 M addresses all the power quality needs of today's networked economy by providing a perfect sinewave output voltage with stable frequency, over and above offering many other important customer values.

Benefits

- On-line double conversion UPS: makes your load independent from both main's voltage and frequency. Ensures Server-grade high quality of power.
- IGBT technology PWM inverter switching technology: provides your load with perfect sinewave voltage.
- High efficiency performances: lower cost of ownership.
- Excellent performances with either 100% unbalanced and 100% non-linear loads with crest factor up to 3:1 without derating: no need to care about the distribution of your single phase loads between output phases nor to oversize the UPS.
- Super-servers, mini-computers and multi-processing systems.
- Advanced battery management system with programmable battery testing: constantly monitors the health of the battery pack keeping the battery ready to work for emergency situations.
- Small footprint and convenient maintenance access: ease of positioning and saving of floor-space.
- Inverter with high overload capability: no need to oversize UPS; reduced Initial Investment.
- Inverter Output protected against short circuit: high protection to the inverter hence more availability of the system; Investment Protection.
- Zero footprint for optional tuned filter for the input: lower cost of ownership because of space saving and reduced electricity bill.

Major Applications

- Information Technology
Servers (LAN, WAN, e-mail, ERP, Web, DigitalArchives, IntraNet)
Networking (Routers, Hubs, Switches, Multiplexer, Bundler, Unbundler, Modems)
- Banks, Insurance and, Financial Services
- Telecommunications, Billing Computers
- Medical Diagnostics, MRI, CT Scan, Cath Lab
- Process Automation, Small processes, Light Robotics



Optional Integrated Monitoring And Control

- Control through Building Management Systems via Modbus and Jbus protocols
- Web-enabled Monitoring and Management through SNMP protocols with OpenComms NIC card / NETCOM card
- Software Solutions
 - UPS Monitoring Software
 - HPAC and UPS supervision
 - Facility wide monitoring
 - Shutdown software for your computer equipment
- Simultaneous monitoring via different protocols
- Wall-mounted RAM (Remote Alarm Monitor) Box

Other Optional Features

Like all other products from Liebert, Series 7400 M can be enhanced with plenty of optional features:

- LBS (for dual bus applications)
- Liebert NPS (for redundant power availability)
- Input ITHD reduction filters

General Features

Model	10	30	40	60
Power	10kVA	30kVA	40kVA	60kVA
Output Power	8kW	24kW	32kW	48kW
Power factor	0.8			
Input				
Voltage	380/400/415 V			
Frequency	50 or 60 Hz			
Power Factor	> 0.9 (Additional Filter)			
THDI	< 10% (Additional Filter)			
Voltage Window	+ 10% -15% with Battery Charging + 10% -20% without battery charging			
Output				
Voltage	380/400/415 V			
Frequency	50 or 60 Hz			
Voltage stability				
- static	± 1%			
- dynamic	± 5%			
Voltage distortion				
- linear load	1% typical			
- non-linear load	5% max (with 3:1 crest factor)			
Overload capability	three-phase: 110% for 60 mins, 125% for 10 mins, 150% for 1 min single-phase: 200% for 30 secs			
Maximum permissible non-linear load	100% (with 3:1 crest factor)			
Physical				
Weight	480kg		540kg	620kg
Width	710mm		710mm	710mm
Height	1420mm		1420mm	1420mm
Depth	800mm		800mm	800mm

* 20 kVA model also available on request.

Operating Temperature is 40° C. However ratings can be selected for ambient temperature upto 50° C

WE HELP YOU GET IT RIGHT - RIGHT FROM THE START.

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For over 35 years, Liebert has been providing tailored solutions for protecting the operation of critical electronic systems in a variety of industries. From communications to industrial business networks, we have used our expertise to tailor the right products, site monitoring and global service capabilities into a variety of specific solutions.

Liebert's years of experience and knowledge of leading edge technologies enables us to truly understand your needs both in terms of over all reliability and specific areas of equipment protection. Whether it's a new or existing facility, we listen to you and your preferences to help develop solutions that are right for your application. Liebert is the climate control and AC power solution product division within Emerson Network Power.

Someone Nearby to Help Before And After The Sales

Specifying a high-availability facility support system requires someone who is knowledgeable in all phases of environmental and power protection. Knowing where to turn for ongoing maintenance or service is just as important.

One of the many things that differentiate Emerson Network Power from others in our business is local presence. We have the most extensive sales and service network in the world. Emerson's extensive network of technical sales associates, backed by the industry's largest service organization, enable us to respond quickly to customer needs.

Emerson Network Power

Representing Liebert, Emerson Energy Systems and ASCO Power Technologies, Emerson Network Power is uniquely positioned to provide you ent-to-end system solutions with the Widest Scale, Size, Breath, Technology & Geographic Presence. Emerson Network Power, a business group of Emerson, has offices in all parts of the world and serves customers in more than 100 countries.

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Emerson Among Top 50
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"Worlds Most Admired"
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EMERSON NETWORK POWER WEB SITE

<http://www.emersonnetworkpower.co.in>

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