

Emergency Lighting 9390 UPS

A reliable emergency lighting solution that provides you peace of mind



Eaton's Emergency Lighting UPS solutions are perfect for:

- Hospitals
- Schools
- Government buildings
- Office buildings
- Manufacturing facilities
- Hotels
- Commercial buildings

Emergency lighting requirements and related building codes are vital in commercial structures to facilitate occupant egress during a building fire or other emergency situation. Eaton's emergency lighting UPSs are UL 924 tested and certified, providing the industry's highest capacity and smallest footprint solution.

Key features

90 minutes of backup

- All Eaton emergency lighting UPS solutions are configured with external line and match battery cabinets to provide 90 minutes of backup time, which is required by the UL 924 standard.

Protected interface

- In accordance with the standard, the manually operated interface is protected from accidental operation and non-authorized users.

Connectivity & manageability

Enhanced communication capabilities

UL 924 UPSs are equipped with a variety of standard communications features for network connectivity and remote management applications, including:

- RS-232 serial port
- Four X-Slot® communication bays
- Relay output contacts
- Two programmable signal inputs

Intelligent Power Manager

Eaton's Intelligent Power Manager (IPM) software allows you to consolidate the monitoring and management of your emergency lighting UPSs. Any PC with an Internet browser and network connection can access the status and power conditions of Eaton's emergency lighting UPSs, providing you comfort that your systems are operating correctly. IPM software is free for monitoring up to 10 devices. Learn more at Eaton.com/intelligentpower.

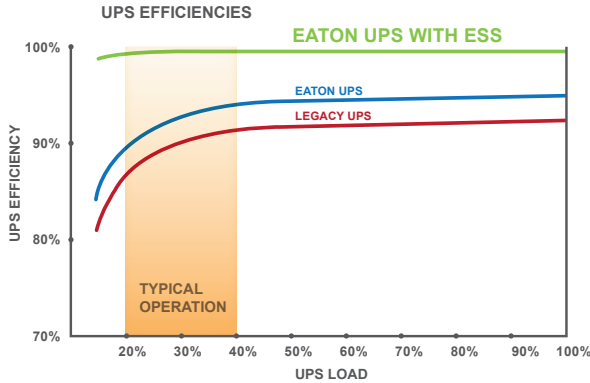
Eaton meets the strict standards for UL 924 compliance.



Powering Business Worldwide

Energy Saver System

To demonstrate the importance of total system efficiency in relation to load level, the graph below shows how efficiency generally dips as load level decreases. In general, manufacturers list an optimal efficiency rating at full load. In reality, however, most three-phase UPSs operate at loads of 20-40 percent, so it's extremely important to evaluate UPS efficiency at lighter loads. The optional Energy Saver System (ESS) technology operates at 99 percent efficiency even at low load levels, giving end users real energy savings. Visit Eaton.com/EAA for more information.



eNotify Remote Monitoring

Eaton's optional eNotify Remote Monitoring Service provides 24x7 real-time monitoring of the UPS and battery systems and alerts both service technicians and the customer when a problem is detected. Proactive monitoring enables technical experts to respond immediately to more than 40 alarm conditions and, in many cases, resolve issues remotely with minimal or no downtime. Visit Eaton.com/enotify for complete details.

Additional eNotify benefits include:

- One-way outbound status and event e-mails for security and reliability
- Fast diagnosis and notification of critical alarms
- Monthly customer reports, including power event logs and overall UPS and battery health summaries

For more information on Eaton's emergency lighting UPS solutions, visit Eaton.com/UL924UPS

480/277V Three-phase In & Out

Ratings (kVA/kW)	40 kVA / 36 kW	50 kVA / 45 kW	60 kVA / 54 kW	80 kVA / 72 kW
UPS Part Number	TA0412001130010	TB0512001130010	TB0612001130010	TB0812001130010
UPS UL 924 Upgrade Part Number	BH-40KEL480SF-100	BH-50KEL4803P-100	BH-60KEL4803P-100	BH-80KEL4803P-100
Integrated Battery Cabinet Part Number	TL0403E50111100	TL0503E50111100	TL0603E50111100	TL0803E50111100
IBC UL 924 Upgrade Part Number	BH-IBC40E50EL-600	BH-IBC40E50EL-600	BH-IBC40E50EL-600	BH-IBC40E50EL-600
Number of Battery Cabinets Required	2	2	2	3
Topology	Double-conversion Online UPS			
Operating Frequency	60 Hz (55 to 65 Hz)			
Input Power Factor	>0.99 typical			
Input Current Distortion	<4.5% THD			
Output Voltage	480 Vac, Three-phase			
Input Voltage	480 Vac, Three-phase			
Output Voltage Regulation	±1% steady state; ±5% for 100% load step, ≤25ms response time			
Actual Runtime (min)	166	125	101	118
Overload	150% for 10 sec, 124% for 30 sec, 109% for 10 min			
Communication Ports	(1) RS-232, (1) Relay Contact, (1) REPO, (6) Building Alarm Inputs			
Communication Slot	(4) X-Slot communication bays			
Operating Temperature	0°C to +40°C; Batteries recommended max. +25°C			
Storage Temperature	-25°C to +60°C			
Relative Humidity	0 to 95% non-condensing			
Audible Noise	≤65 dBA at one meter			
Altitude	1500m maximum			
Safety Certifications	UL 924, UL 1778, c-UL CSA C22.2 No. 107.1, IEC 62040-1			
EMC Compliance	IEC 62040-2, FCC Part 15			
Quality	ISO 9001: 2000 and ISO 14001:1996			
Markings	UL, cUL, CSA, CE and NOM-NYCE			
System Dimensions H x W x D (in)	73.7 x 104.3 x 31.6	73.7 x 104.3 x 31.6	73.7 x 104.3 x 31.6	73.7 x 147.0 x 31.6
System Weight (lb)	10,190	10,250	10,250	15,085

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