

# 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](http://Eaton.com/intelligentpower).

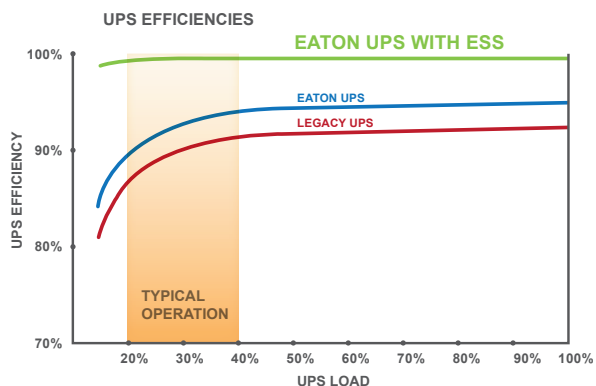
**Eaton meets the strict standards  
for UL 924 compliance.**



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## 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](http://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](http://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](http://Eaton.com/UL924UPS)

### 480/277V Three-phase In & Out

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

**Eaton Corporation**  
Electrical Sector  
1111 Superior Avenue  
Cleveland, OH 44114 USA  
[Eaton.com](http://Eaton.com)

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