

TOSHIBA



EL924 SERIES
UNINTERRUPTIBLE POWER SYSTEMS



EL924 SERIES

NEXT GENERATION TECHNOLOGY.



The Toshiba EL924 Series Uninterruptible Power System (UPS) is the next-generation solution for the emergency lighting UPS market. As a Houston-made, double conversion, all-IGBT UPS, the EL924 Series supplies the true-sine wave power needed by the LED lights industry. The EL924 Series system's capacity allows it to act as a large centralized power hub in a building system for reduced maintenance costs and time. With a compact footprint, high degree of customizability, and industry-leading reliability, the EL924 Series UPS brings the quality of the Toshiba brand to UL 924 applications.

- High Efficiency
- 3-Year Onsite Warranty
- 0.9 Power Factor
- Easily Installed
- Made in the U.S.A.
- Small Footprint

GENERAL	Capacity	15 kVA (13.5 kW)	20 kVA (18 kW)	
	Topology	True On-Line, Double Conversion UPS		
	Certification	UL924, UL1778, ANSI C62.41 (IEEE 587), Buy American Act		
INPUT	Voltage (VAC)	208/380*/400*/415*/480*/600*		
	Voltage Range	+10%, -15% at Full Load, +10%, -30% at 70% Load		
	Capacity (VA)	15000	20000	
	Capacity (W)	13500	18000	
	Frequency (HZ)	50/60 Auto-Sensing		
	Frequency Range (HZ)	45 - 65		
	Power Factor	0.97		
	Current Limit	125% of Nominal Capacity		
	Current THD	<5% Total Harmonic Distortion (THD)		
	OUTPUT	Voltage	208/380**/400**/415**/480**	
		Voltage Regulation	+/-1% Nominal (Balanced Load)	
Frequency		60 Hz, ±1%		
Wave Form		Sine-wave <5% @ 100% Linear Load		
Power Factor		0.9		
Efficiency AC/DC/AC		90%		
Overload Capacity (INV)		125% for 90 sec., 150% for 30 sec.		
Overload Capacity (BYP)		1000% for 1 Cycle		
Crest Factor		2.5:1		
BATTERY	Back Up Time	90 mins		
	Type	Sealed, Valve Regulated Lead Acid Cells		
	Recharge Current	Conforms to FTBR Standards		
MONITORING	Network (RMTI-4)	Included		
	Dry Contacts	Included		
ENVIRONMENT	Operating Temperature	32°F to 104°F (20°C to 40°C)		
	Storage Temperature	-4°F to 104°F (-20°C to 40°C)		
	Audible Noise	<45 dB Measured on Response Curve "A" @ 1 Meter		
	Relative Humidity	30-90% (Non-condensing)		
	Altitude	< 3,300 ft. Maximum (<1,000 m)		
WARRANTY	Three Years on Electronics (UPS) and Battery			
FEATURES	DC Interconnection Cables Included, RemotEye4® Included			
OPTIONS	Remote Status Alarm Panel, External Maintenance Bypass, Seismic-Rated Brackets			

*Isolation and Auto Transformer Options for Input Voltage Conversion

**Auto Transformer Options for Output Voltage Conversion

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> SYSTEM FEATURES

BATTERY CABINETS

Each EL924 Series system contains sufficient battery capacity to meet the 90+ minutes of runtime required by the UL 924 standard and emergency lighting applications. The 90+ minutes of runtime are achieved by matching battery cabinets containing valve-regulated lead acid (VRLA) batteries that provide uniform installation appearance, reliable battery backup, and a low profile footprint.

MAINTENANCE BYPASS OPTIONS

Each EL924 Series system may contain a maintenance bypass switch (MBS) cabinet to allow power to be routed around the system allowing for system maintenance without loss of power to the load. Toshiba offers three different MBS options to allow for each system to adapt to various installation requirements.

- **Slim MBS** - Allows the System to Occupy the Smallest Footprint with a Three-breaker MBS
- **Auxiliary Cabinet** - Supports Optional Power Distribution and Sub Feed Breakers in Addition to the Three-breaker MBS
- **Transformer Cabinet** - Supports Input Voltages Other than the Native 208 V of the UPS in Addition to the Options and Three-breaker MBS of the Auxiliary Cabinet



BATTERY CABINETS

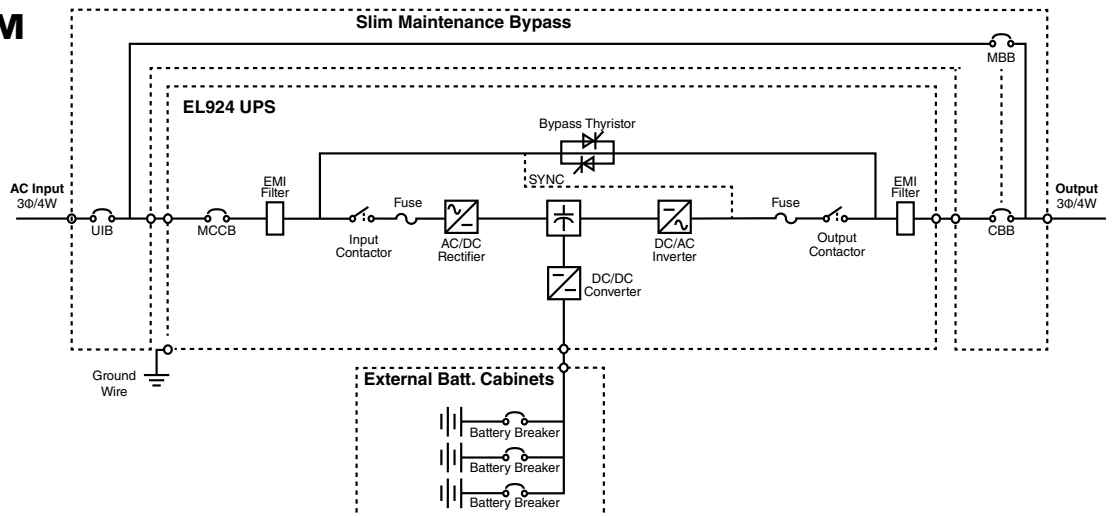


AUX/TRANSFORMER CABINET



SLIM MBS CABINET

> TYPICAL SYSTEM ONE-LINE



TOSHIBA POWER ELECTRONICS DIVISION:

- Uninterruptible Power Systems
- SCiB® Rechargeable Batteries
- Energy Management Systems
- Remote Monitoring
- High Power Chargers
- Containerized Solutions

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