



Staco E3 924

THREE PHASE EMERGENCY LIGHTING INVERTER SYSTEM

3.5 kW - 40 kW

UL 924 Emergency Power & Lighting Equipment Listed
NFPA 101-NEC-OSHA Compliant

APPLICATIONS

Hyperscale Data Centers
Educational / Storm
Shelters Multi-Residential
Industrial / Manufacturing
Parking Decks
Healthcare Facilities
Mass Transit
Sports Arenas
Retail Box Stores
Hotels and Casinos

SPECIFICATIONS

90 Minute Battery Runtime
On-Line Double Conversion
Input Window: +20 /- 17%
Regulated Output: +/- 1%
Generator Compatible 1:1
VTHD $\leq 4\%$ @ 100% LED load
RS232 or RS-485
Dry Contacts
Internal Maintenance Bypass
2 Year Full Warranty

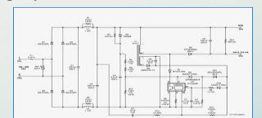
PERFORMANCE

Input Window design tolerance is critical to the performance and longevity of the Life Safety system.



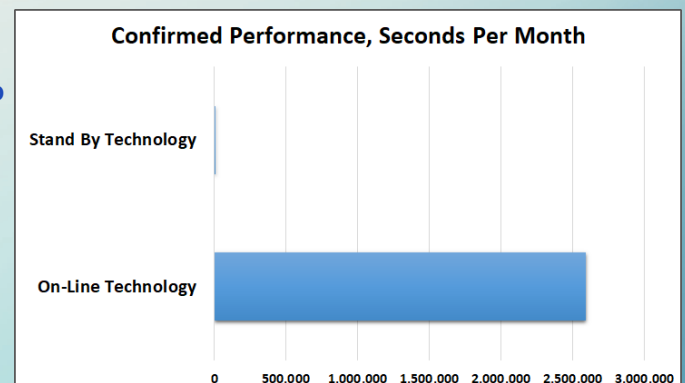
Preserving the batteries for an actual emergency and maximizing their lifespan.

Output Regulation ensures the incoming utility power will be clean and regulated.



LED Drivers are electronic circuits, and can be affected by power deviations that exceed +/- 10% of nominal.

Life Safety Egress Lighting is an essential design component for most facilities. Understanding the performance capabilities of each technology may help with the selection process. Double Conversion Technology, also known as Mission Critical Technology, will confirm performance status every second of every day. By comparison, Stand By Technology only confirms performance status for 30 seconds every month - if the unit is tested. Engineered Life Safety is by design, not by chance.



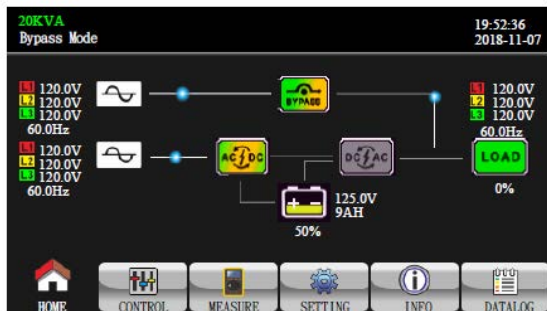
PRODUCT SELECTION CONVENTION

Model	Capacity kVA/kW	Battery Code	Input Voltage	Output Voltage		Remote Comms	Cabinet Entry	Options	Distribution Cabinet	Output Distribution Select Breaker Quantity / Breaker Type: (Repeat as Necessary) 30P Max		
E3					AA							
U: UL924	3.5	UU: UL924	2Y: 208/120	2Y: 208/120		0: None	0: None	0: None	0: None	A: None		
T: UL924 OUST	5.0	*Factory Designate	2D: 208	4Y: 480/277		A: SNMP BACnet TCP/IP Modbus	A: Back	1: ANSI Grey Option	6: 1P; 6ea	B: 15A 1P	H: 30A 1P	
	7.5		4Y: 480/277					2: Smoke Alarm Option	C: 1P; 12ea	C: 15A 2P	J: 30A 2P	
	10		4D: 480					3: SPD Option	I: 1P; 18ea	D: 15A 3P	K: 30A 3P	
	15							4: Smoke & SPD Option	P: 1P; 24ea	E: 20A 1P	L: 40A 1P	
	20							Distribution Cabinet Adds 9.4" to Inverter W	P: 1P; 30ea	F: 20A 2P	M: 40A 2P	
	30							0: None	3: 2P; 3ea	G: 20A 3P	N: 40A 3P	
	40							D: Distribution Cabinet	2: 3P; 2ea	Contact Factory for more breaker type options.		

PRODUCT CHARACTERISTICS 90 minute systems

Model	Capacity kVA/kW	Inverter Dimensions *OPTIONAL Output Distribution cabinet adds 9.4" to Inverter W	Battery Dimensions	Total Cabinets	Combined Dimensions Inverter + Battery	Approximate System Weight	Full Load BTU/HR	Recommended Feeder Breaker
E3U03	3.5	72.5"H x 23"W x 40.5"D	Internal	1	72.5"H x 23"W x 40.5"D	2Y: 1,260lbs 4Y: 1,746lbs	2Y: 1,100 4Y: 1,800	2Y: 3P 15A 4Y: 3P 15A
E3U05	5.0 (2Y : 2Y only)	72.5"H x 23"W x 40.5"D	Internal	1	72.5"H x 23"W x 40.5"D	1,576lbs	2Y: 1,500 4Y: 2,400	2Y: 3P 20A 4Y: 3P 15A
E3U05	5.0	72.5"H x 23"W x 40.5"D	73"H x 27"W x 36.5"D	2	73"H x 50"W x 40.5"D	2Y: 1,864lbs 4Y: 2,424lbs	2Y: 1,500 4Y: 2,400	2Y: 3P 20A 4Y: 3P 15A
E3U07	7.5	72.5"H x 23"W x 40.5"D	73"H x 27"W x 36.5"D	2	73"H x 50"W x 40.5"D	2Y: 2,244lbs 4Y: 3,124lbs	2Y: 2,300 4Y: 3,700	2Y: 3P 40A 4Y: 3P 15A
E3U10	10	72.5"H x 23"W x 40.5"D	73"H x 27"W x 36.5"D	2	73"H x 50"W x 40.5"D	2Y: 2,564lbs 4Y: 3,124lbs	2Y: 3,900 4Y: 5,900	2Y: 3P 40A 4Y: 3P 20A
E3U15	15	72.5"H x 23"W x 40.5"D	59"H x 29"W x 31.5"D	2	72.5"H x 52"W x 40.5"D	2Y: 3,109lbs 4Y: 3,669lbs	2Y: 5,800 4Y: 8,800	2Y: 3P 70A 4Y: 3P 30A
E3U20	20	72.5"H x 23"W x 40.5"D	79"H x 36"W x 29.5"D	2	79"H x 59"W x 40.5"D	2Y: 4,068lbs 4Y: 4,698lbs	2Y: 7,700 4Y: 11,700	2Y: 3P 100A 4Y: 3P 40A
E3U30	30	72.5"H x 23"W x 40.5"D	79"H x 36"W x 29.5"D	2	79"H x 59"W x 40.5"D	6,609lbs	2Y: 11,600 4Y: 17,500	2Y: 3P 150A 4Y: 3P 55A
E3U40	40	72.5"H x 23"W x 40.5"D	79"H x 36"W x 29.5"D (2) Cabinets	3	79"H x 95"W x 40.5"D	2Y: 7,472lbs 4Y: 8,352lbs	2Y: 15,400 4Y: 23,300	2Y: 3P 200A 4Y: 3P 100A

Front Panel Display

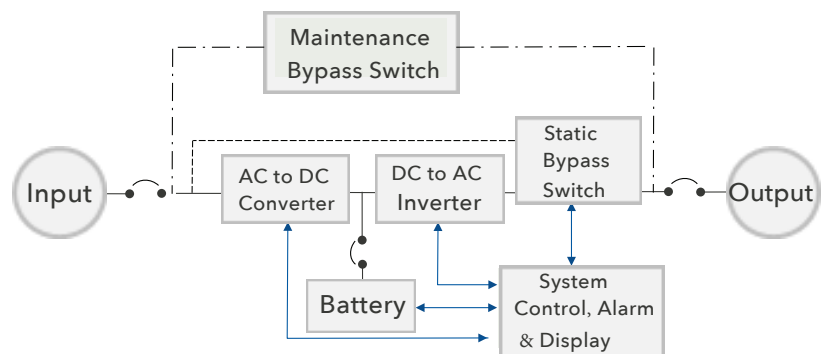


21 Warning Codes: 6 Battery System
77 Fault Codes: 3 Battery System

Specification Grade Life Safety Egress Lighting Systems.

Performance Characteristics:

Normal — Standby - - - Maintenance - - -



WARRANTY

ELECTRONICS: A Full Two Years, Startup is standard. **BATTERY:** Three-Year Full and 7 Year Prorata Warranty