

NEMA Double Conversion Traffic Battery Back-Up System



▷ ▷ The unit is fully customizable to meet the requirements for your transportation applications.

About the NEMA Unit

Ideal for traffic and signal equipment that is constantly presented with the possibility of losing power. The ruggedized UPS is a true on-line, double-conversion design with power factor correction. An extremely wide input voltage tolerance and an output voltage regulation of within +/- 2% makes the Econolite battery back-up system one of the most flexible and technologically-advanced UPS's on the market.

In addition, the UPS is fully customizable to meet the requirements for your transportation applications, making the units the most versatile battery back-up solution for traffic control and public safety.

At A Glance

- ▷ Suitable for wide temperature range applications (-40°F to +140°F)
- ▷ Lightweight
- ▷ Fits in all types of traffic enclosures, control panels and custom pedestals
- ▷ Time Delay Relay, Event Center & Timer
- ▷ Output voltage regulation to within +/- 2%
- ▷ High Efficiency & free-run mode
- ▷ SNMP card included



GENERAL			
Model Number	ERRN-0700-H1	ERRN-1000-H1	ERRN-1500-H1
Rated Capacity	700VA/490W	1000VA/700W	1500VA/1050W
Topology	True on-line, double conversion topology with automatic bypass		
INPUT			
Phase	Single phase plus ground		
Bypass Voltage	User selectable (+/- 10%) (+10%/-15%) (+15%/-20%)		
Input Voltage Range	60V - 144V @ 40% load/70V - 144V @ 70% load/80V - 144V @ 100% load		
Frequency	50/60 Hz Auto sensing		
AC Frequency Range	45-65 Hz		
Input Current (120V)	5.8A	8.2A	12.4A
Input Power Factor	0.97		
OUTPUT			
Output Voltage	User selectable - 100/110/115/120VAC		
Voltage Regulation	+/- 2%		
Voltage Distortion	< 5% THD with non-linear loads, < 3% THD with linear loads		
Frequency Regulation	+/- 0.25 Hz (while on battery or in free runmode)		
Dynamic Response	+/- 9% max from 100% to 20% or from 20% to 100% linear load		
Overload Capacity	100-125% for 1 min, 125-150% for 10 sec		
Efficiency	Greater than 93% (HE Mode), Greater than 88% (on-line mode)		
Crest Factor	3 : 1		
PHYSICAL			
Input (AC) Connection	Hardwire Terminals		
Output (AC) Connection	Hardwire Terminals + 2 NEMA 5-15R		
Dimensions: in/mm - W x D x H	16.7" x 10" x 5.11"/424 x 254 x 130		
Weight: lbs/kg	15.5/7	18.5/8.4	20.5/9.3
Operating Temperature Range	-40° C to +60° C/-40° F to 140° F at full load -40° C to 74° C/ D-Rate to 80% Load		

Notes:

- These units do not contain internal batteries

