

Ruggedized Traffic UPS



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

About the Ruggedized 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 Vault 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)
- ▷ Backs up power to traffic control and signal equipment
- ▷ Fits in all types of traffic enclosures, control panels and custom pedestals
- ▷ True on-line double conversion topology
- ▷ Output voltage regulation to within +/- 2%
- ▷ High Efficiency (HE) & Free-run mode



GENERAL			
Model Number	VRRN-0700-01	VRRN-1000-01	VRRN-1500-01
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	NEMA 5-15R or Hardwire Terminals + 2		
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		

Notes:

- These units do not contain internal batteries

