

# EMS Power Conditioner and Isolation Transformer

- UL certified
- Steel NEMA 4\* enclosure
- Locking door
- Powder coat finish
- No cooling required
- Internationally configurable output & input
- Operating temperatures from 0° – 50° Centigrade
- Capacity rating: 4000 VA @ 208 – 240V
- Rated input voltage: 208 – 240V  $\pm 10\%$
- Single phase 50/60Hz  $\pm 5\%$
- RoHS compliant
- 2 non-conditioned circuit breakers for accessories

\*NEMA 4 - Enclosures constructed for either indoor or outdoor use to provide a degree of protection to personnel against access to hazardous parts; to provide a degree of protection of the equipment inside the enclosure against ingress of solid foreign objects (falling dirt and windblown dust); to provide a degree of protection with respect to harmful effects on the equipment due to the ingress of water (rain, sleet, snow, splashing water, and hose directed water); and that will be undamaged by the external formation of ice on the enclosure.



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Introducing the new power conditioner from Elliptical Mobile Solutions. Our UL certified unit is able to output computer grade power from a variety of voltages. The unit works with both American and European standards. It will operate in ambient temperatures up to 120 degrees Fahrenheit with no cooling required.



## EMS Isolation Transformer and Power Conditioning Module

Solid Steel NEMA 4 Construction

4000VA High Power Continuous Duty Rated

User Configurable Input-Accepts international voltages and frequencies single phase 208-240V 50/60Hz

User Configurable Output-Conforms to International Voltages: single phase 208-240V 50/60Hz /120V split phase

High Security Electronic Locking with Audit Trail or Key locking available.

- **Tight surge let-through:** highest possible assurance that conducted transient voltages won't damage or degrade hardware components.
- **Virtual Kelvin Ground:** maximizes system reliability by preventing "soft errors" and other symptoms of logic disruption caused by high frequency noise.
- **Low impedance technology:** handles high crest factors and inrush currents without oversizing.
- **High efficiency transformer:** generates less heat and reduces operating cost.
- **Maintenance-free:** no parts that wear out so total lifetime cost is limited to the original purchase price.
- **Small footprint, quiet operation:** unobtrusively fits into any environment.
- **Plug and play:** plugs and receptacles meet NEMA standards.
- **Designed & manufactured under ISO 9001:** assures consistent quality and performance.
- **3 year warranty:** the best assurance of product quality and performance.

### Technical Specifications

Output Rating (kVA) 4.0  
Load Current Rating (Amps) @ Output Voltage 20-40  
Input Voltage (VAC) 200-240  
Output Voltage (VAC) 114/120 228-240 Split ø  
Load Regulation (RMS) ± 2%  
Inrush - 1/2 Cycle (Amps) 500  
Surge Current (Amps) 1 sec. typical 170  
Surge Current (Amps) 5 sec. typical 60  
1kHz Forward Transfer Impedance < 3  
Efficiency (%) > 97  
Heat Loss, 80% Load (BTU/Hr.) < 410  
C-UL UL 1012 CSA C22.2 No. 66  
Width (Inches) 10.5  
Height (Inches) 10.5  
Depth (Inches) 17.6