

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 ϕ
Load Regulation (RMS) \pm 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