

# EM500S12AC

## Magnetic

Outdoor Black Powder Coated Steel Enclosure

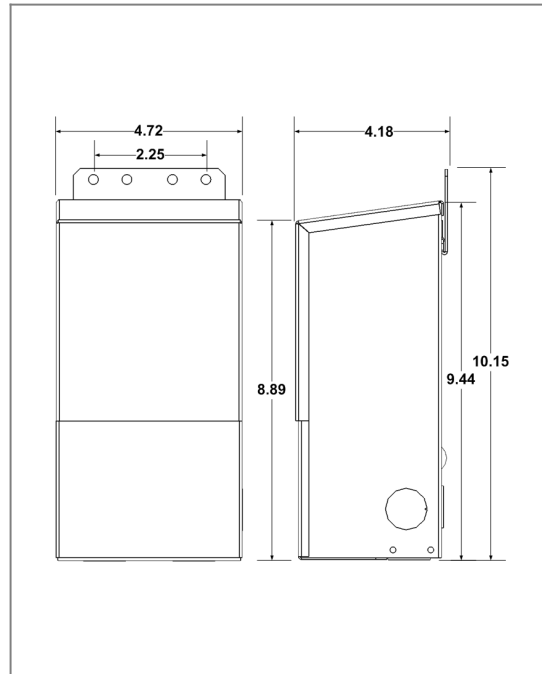
Double Circuit: **12/24VAC**

Total Wattage: **500W max**

Input Voltage: **120V 60Hz**



Conforms to UL STD. 2108  
Certified to CSA  
STD. C22.2 № 250.0  
model EM500  
[Link to certification](#)



### Transformer

Temperature class B(130°C)

Two section bobbin completely separated primary and secondary windings

Input leads are 18AWG 600V

Output leads are 12AWG 300V

Leads max. operational temperature is 105°C

Thermal manually reset primary breaker 7A

Thermal manually reset secondary breaker 25A per circuit

### Housing

The actual transformer 500W is encapsulated in the enclosure

The enclosure is Black Powder Coated Steel, NEMA 3R rated

Wiring compartment has 6 knockouts sizes for 3/8 inch screw cable connectors

Enclosure Temperature does not exceed 75°C at 45°C ambient and fully loaded

Dimensions (inch): H = 9.4, W = 4.6, D = 4.1

Weight (LBs): 18

### Electrical Parameters

Input Voltage: **120V 60Hz**

Max. input current at full load: **5A**

Output voltage without load: **12.4/ 24.8VAC**

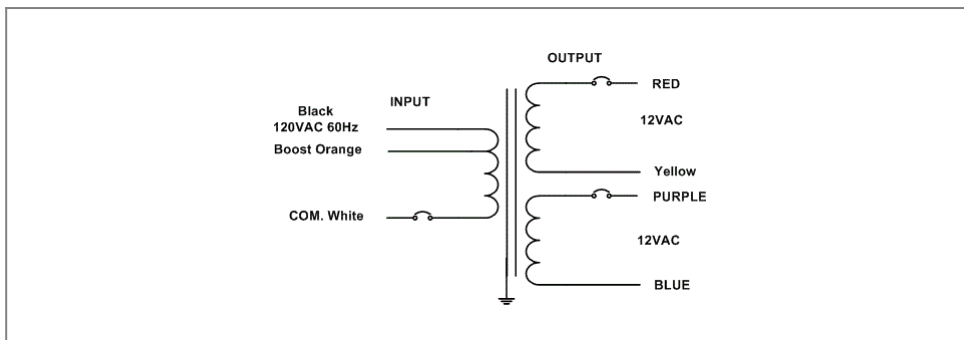
Output voltage fully loaded: **11.8/ 23.8VAC**

Max. Total Wattage: **500W** Max. per circuit: **250W**

Max. Output Current: **20.8/ 10.4A** per circuit.

Efficiency: **93%**

Load regulation: **0.05%**



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