

# EM100S24DC

## Class 2 Magnetic

Outdoor Black Powder Coated Steel Enclosure

Single Circuit: **24VDC**

Total Wattage: **96W max**

Input Voltage: **120V 60Hz**



Conforms to UL STD. 1310  
Certified to CSA  
STD. C22.2 № 223  
model EM100  
[Link to certification](#)



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### 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 2A

Thermal manually reset secondary breaker 4A

### Housing

The actual transformer 96W 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 = 7.5, W = 3.09, D = 2.88

Weight (LBs): 0.47

### Electrical Parameters

Input Voltage: **120V 60Hz**

Max. input current at full load: **1A**

Output voltage without load: **27VDC**

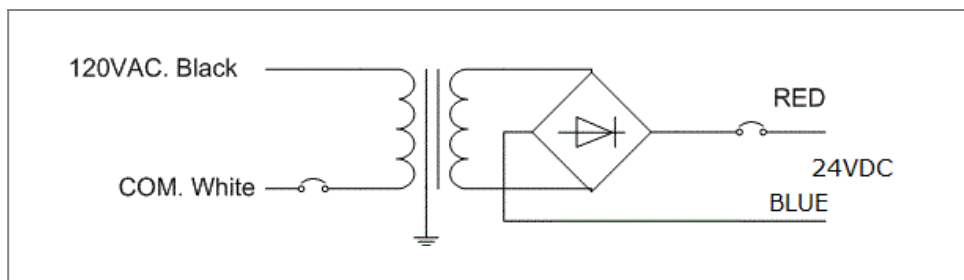
Output voltage fully loaded: **23.6VDC**

Max. Total Wattage: **96W**

Max. Output Current: **4A**

Efficiency: **85%**

Load regulation: **0.14%**



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