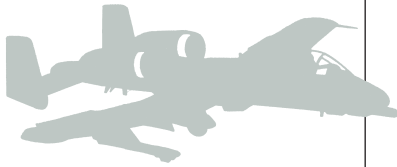




# Modular Systems / Series 8 Up to 150 Watts

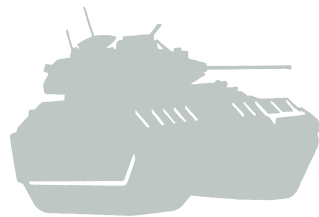
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## Features

- 90-132/180-260 VAC
- High power density- low profile
- Single and multiple outputs
- Input and output filtering
- Modified standards upon request



**All specifications are typical at 25°C with nominal input voltage under full output load conditions, unless otherwise noted. Specifications subject to change without notice.**

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## Prime Power's

modular systems are complete turn-key systems. No external circuitry is required for proper operation. These systems are mainly comprised of Prime Power's "Power Blocks" series modular products, but are also designed to accept a wide variety of modular products made by other manufacturers. The flexibility of these designs allow for a large number of output and power combinations. The attached pages list a few of the standards. Non-standards are reviewed upon request. Due to the systems modular construction, these products are ideally suited for ruggedized commercial or industrial applications as well as military grade applications.



## Technical Data



### Input Characteristics

Voltage: 90-132/180-264 VAC  
Auto-ranging  
Frequency: 47-440 Hz  
Transient: Trip circuit @ 275 VAC  
Filtering: Mil-Std 461  
FCC filtering  
Interface: 25 Pin D-subminiature  
Mil-C-24308 connector

### Protection

Short circuit: Continuous  
Over-current: Power or current foldback  
Over-voltage: 120% of rated  $V_o$  (typical)  
Over-temp.: 105°C (typical) auto-recovery.  
Output Trimmable +/-10% and remote sense capability

### Output Characteristics (Typical)

Line Regulation: .5% (min to max line range)  
Load Regulation: .5% (from 10% to 100% load)  
Ripple: 1% typical

### Environmental

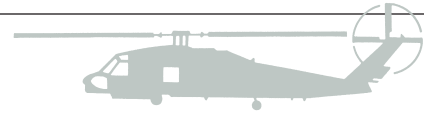
Temperature: -40 to 90°C case  
Vibration: Mil-Std-810  
Shock: Mil-Std-810  
Salt Fog: Mil-Std-810  
Sand & dust: Mil-Std-810



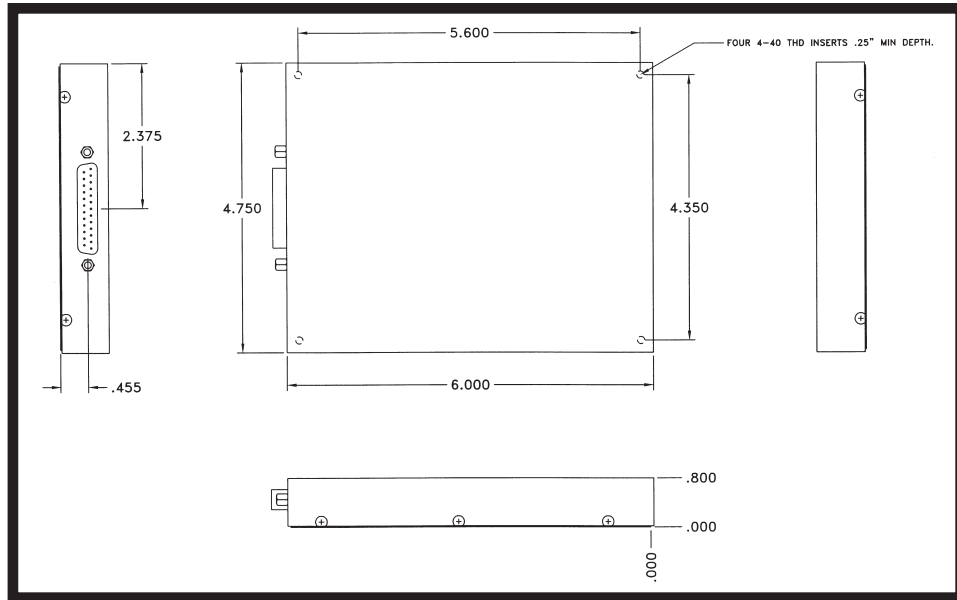
# Modular Systems / Series 8 Up to 150 Watts

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## Mechanical Drawings



## Features

- 90-132/180-260 VAC
- High power density-low profile
- Single and multiple outputs
- Input and output filtering
- Modified standards upon request

## Model Specifications

Single Outputs (non-standards upon request)			
Part no.	Power (Watts)	Voltage (VDC)	Current (Amps)
MS8 63/2.1	63	2.1	30
MS8 82/3.3	82	3.3	25
MS8 100/5	100	5	20
MS8 120/12	120	12	10
MS8 120/15	120	15	8
MS8 120/24	120	24	5
MS8 150/M1	150	±12	6
MS8 150/M2	150	±15	5
MS8 125/M3	125	3.3/15	15/5
MS8 105/M4	105	2.1/12	15/6



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**AVS Front End:**  
Linearly derate from full load at  
100 VAC to 50% load at 90 VAC.

**Above 240w:**  
Linearly derate from full load at  
25°C to 50% load at -40°C.

