

# M707

Revision: 8R18.10.02  
Sheet: C-707-00

## FEATURES

### Input voltage

115/230Vac  $\pm 15\%$   
jumper selectable on pcb

### Input current

5.9A max

### Input frequency

50÷60Hz

### Efficiency

75% typ.

### Switching operating frequency

30kHz typ.

### Input protections

- Inrush current limitation
- Line fuse and EMI filter

### Leakage current to GND

Max 1.5mA at 50Hz

### See table for

- Output voltages and currents
- Line and Load regulation
- Output ripple and noise

### Output protections

- Overload protection

- Short circuit protection

- Overvoltage protection

### Hold up time

20msec min.

### Output power

720W

### Remote sense compensation

- sense IL1, sense IL2

### Operating temperature

0°C to 50°C

### Temperature power derating

2%/°C (50÷70°C)

### Storage temperature

-20°C to 85°C

### Temperature drift

0.05%/°C

### Cooling

Forced ventilation with internal fan

### Dielectric withstand voltage

- Input - Output : 3750Vac (on insul.comp)
- Input - P.E.: 1750Vac

### Isolation

- Output - P.E.: 500Vdc

### Comply with

- EN 50081-1
- EN 61000-6-2
- EN 60950
- CE

### Weight

3700g

### Programming

M707 is a programmable power supply.

Connect the programming voltage between Com(18) and Vprog(24)

Programming input voltage range is 3V÷6V.

$V_{out} = V_{prog} \times 6$  (in linear mode 18÷36V).

### Shut-off

To enable the outputs apply a voltage (5÷10V) between Com(18) and Shut-off(22)

### Note

- With Vprog not connected the outputs are off

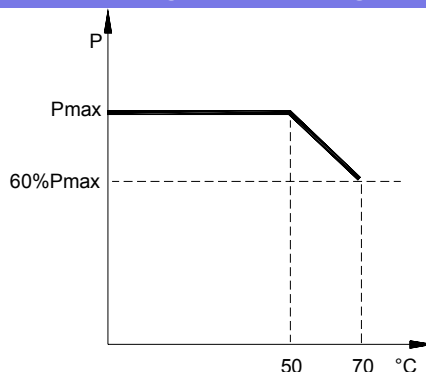
## FEATURES TABLE

| MODEL | OUT | Vout Volts | Iout Ampere | Imin Ampere | Imax Ampere | Line regulation<br>VIN(min÷max)<br>% | Load regulation<br>(10÷100%)<br>% | Ripple & Noise<br>(0÷20MHz)<br>mV |
|-------|-----|------------|-------------|-------------|-------------|--------------------------------------|-----------------------------------|-----------------------------------|
| M707  | V1  | 36         | 10          | 0           | 12          | 0.5                                  | 2                                 | 150                               |
|       | V2  | 36         | 10          | 0           | 12          | 0.5                                  | 4                                 | 150                               |

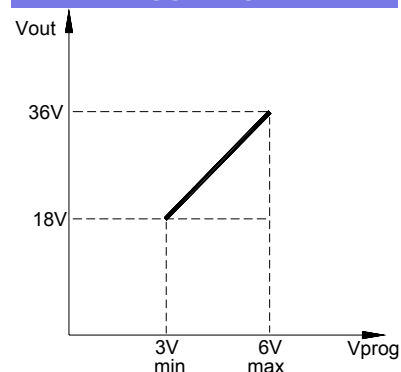
### M707 VIEW



### TEMP. POWER DERATING

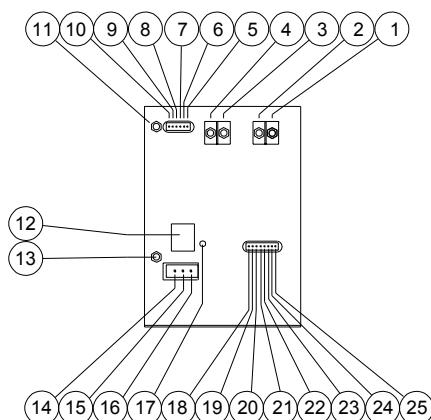


### VPROG. DIAGRAM

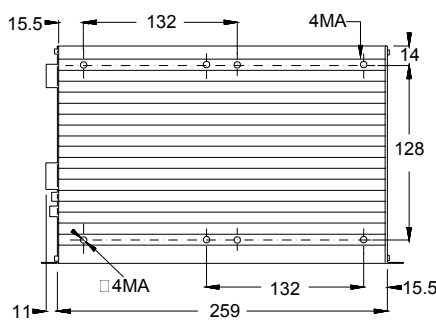


## DIMENSIONS AND CONNECTIONS

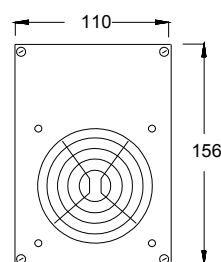
### front view



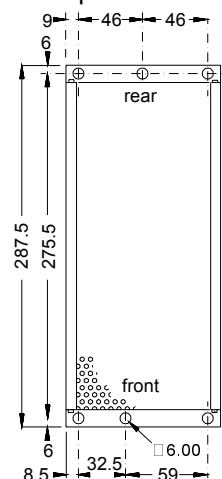
### side view



### rear view



### top view



- 1)V1 2)Com 3)Com 4)V2 5)Sense IL2 6)n.c. 7)Com 8)n.c. 9)Sense IL1  
10)n.c. 11)P.E./Chassis 12)Label 13)P.E./Chassis 14)AC input 15)n.c. 16)AC input  
17)Vadj. 18)Com 19)n.c. 20)n.c. 21)n.c. 22)Shut-off 23)n.c. 24)Vprog. 25)n.c.

AZIENDA CERTIFICATA



Note: all features are subject to change without notice.

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