

FEATURES

Input voltage

90÷264Vac

Input frequency

50/60Hz

Efficiency

>75%

Switching operating frequency

40KHz typ.

Input protections

- Inrush current limitation
- EMI filter
- Line fuse

Leakage current to GND

0,5mA max at 233Vac 50Hz

See table for

- Output voltages and currents
- Total regulations
- Output ripple and noise

Output protections

- Overvoltage protection

- Overcurrent protection
- Short circuit protection

Hold up time

12msec at 110Vac/40W output

Output power

30÷48W (see table)

Operating temperature

0°C to 50°C

Temperature power derating

2%/°C (50÷70°C see diag.)

Storage temperature

-40°C to 85°C

Temperature drift

0.02%/°C

Long term stability

Better than 1% after 24 hours

Dielectric withstand voltage

- Input - Output : 3750Vac (on insulating components)
- Input - P.E. : 1750Vac

Isolation

- Output - P.E.: 500Vdc

Comply with

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

Weight

board: 260g; closed: 520g

Cooling

- Natural convection (see table - I_{max1})
- Forced ventilation (see table - I_{max2} at 220Vac)

Note

- 5V version is provided only with fixed type output connector.

Optional features

- C - Closed box
- DC - DC input for AC-DC units
- H - RAIL-DIN mounting

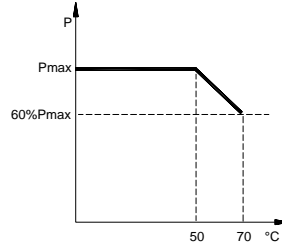
FEATURES TABLE

| MODEL | Output Power W | Vout Volts | I _{min} Ampere | I _{max} (1) Ampere | I _{max} (2) Ampere | Total regulation % | Ripple & Noise (0÷20MHz) mV |
|-------|----------------|------------|-------------------------|-----------------------------|-----------------------------|--------------------|-----------------------------|
| S042 | 30 | 5 | 0 | 6 | 8 | ±2 | 50 |
| S043 | 36 | 12 | 0 | 3 | 4 | ±2 | 100 |
| S044 | 37.5 | 15 | 0 | 2.5 | 3 | ±2 | 100 |
| S046 | 36 | 24 | 0 | 1.5 | 2 | ±2 | 100 |
| S048 | 33.6 | 48 | 0 | 0.7 | 1 | ±2 | 150 |

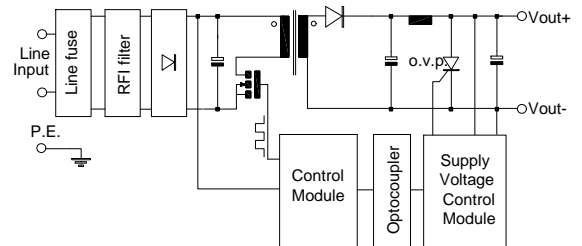
POWER SUPPLY VIEW



TEMP. POWER DERATING

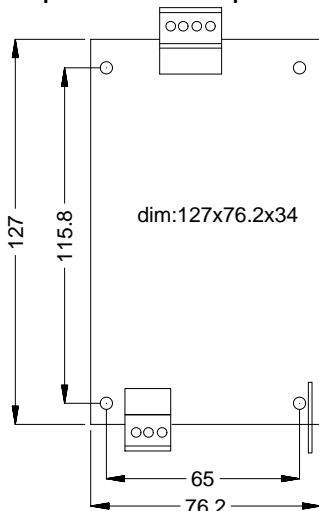


BLOCK DIAGRAM

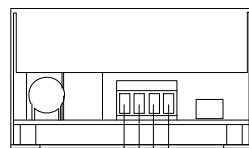


DIMENSIONS AND CONNECTIONS

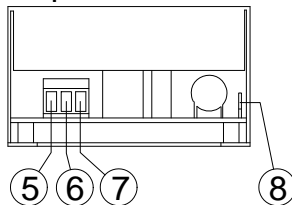
open frame top view



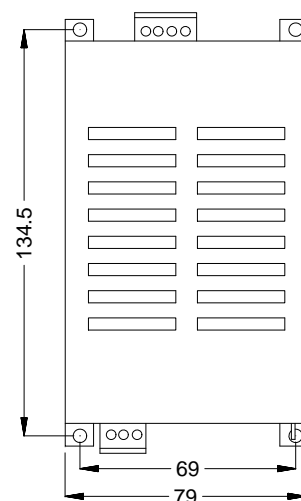
output box view



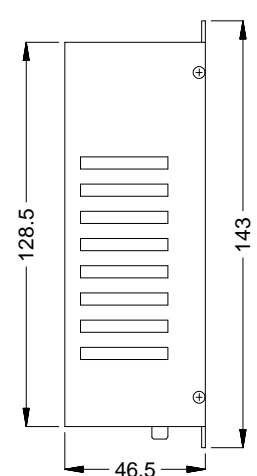
input box view



top box view



side box view



- 1) Vout-
- 2) Vout-
- 3) Vout+
- 4) Vout+
- 5) ACinL
- 6) n.c.
- 7) ACinN
- 8) P.E.