

## 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
- CE

### Weight

board: 260g; closed: 520g

### Optional features

- C - Closed box
- DC - DC input for AC-DC units

### Cooling

- Natural convection (see table - I<sub>max1</sub>)
- Forced ventilation (see table - I<sub>max2</sub> at 220Vac)

### Note

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

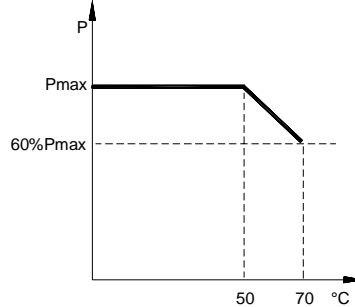
## FEATURES TABLE

MODEL	Output Power W	Vout Volts	I <sub>min</sub> Ampere	I <sub>max</sub> (1) Ampere	I <sub>max</sub> (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

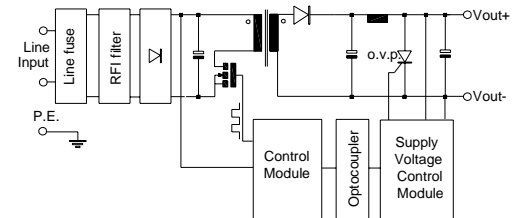
## POWER SUPPLY VIEW



## TEMP. POWER DERATING

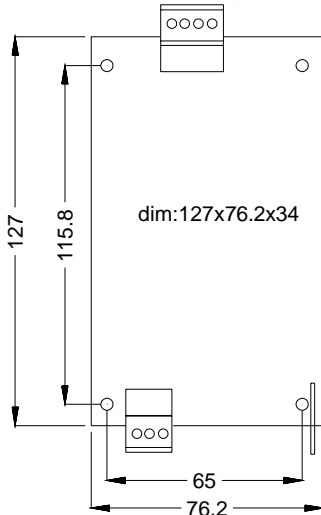


## BLOCK DIAGRAM

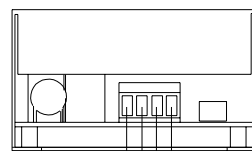


## DIMENSIONS AND CONNECTIONS

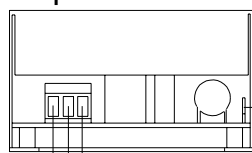
### open frame top view



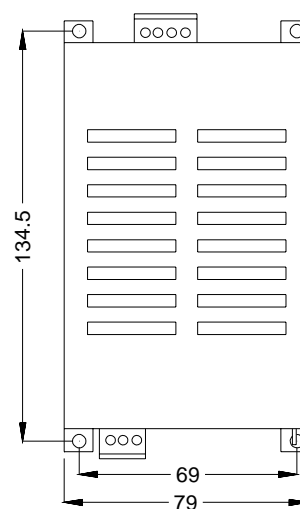
### output box view



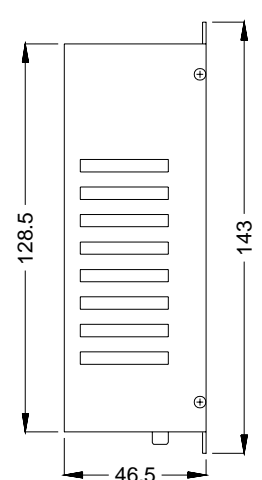
### input box view



### top box view



### side box view



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

Note: all features are subject to change without notice.