

S120-R range

Revision: 8R17.10.02
Sheet: B-120-00

FEATURES

Input voltage

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

Input frequency

50/60Hz

Efficiency

75% typ.

Switching operating frequency

50KHz ca.

Input protections

- Start-up peak current limitation : 7A typ.
- Input undervoltage protection
- EMI filter
- Line fuse

Leakage current to GND

Max 2mA at 50Hz

See table for

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

Output protections

- Overcurrent protection
- Short circuit protection
- Overvoltage protection at $V_{out} + 25\%$ typ.

Hold up time

15msec min.

Output power

125W (see table)

Remote sense compensation

- 0.5V max

Operating temperature

0°C to 50°C

Temperature power derating

2%/°C (50÷70°C)

Storage temperature

-20°C to 85°C

Temperature drift

0.01%/°C

Long term stability

Better than 1% after 24 hours

Cooling

Natural convection

Control and adjustment

- V_{out} adj. = $\pm 10\%$ (on front panel)

Test points

Output voltage test-points on front panel

Operating indicators

- Led V_{out} OK on front panel

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

970g

Optional features

- AL - Alarm relay contact
- BAL - Load balance adjust. for parallel connection
- DC - DC input for AC-DC units
- DD - Output decoupl. diode for parallel connection
- I - Inhibit input ; inhibits all outputs
- PF - Power fail/reset signals
- PROG - Programmable V_{out}

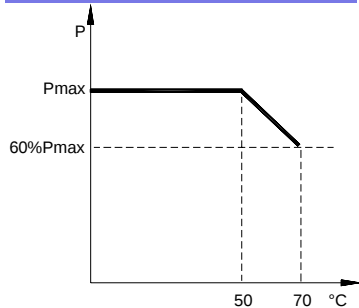
FEATURES TABLE

MODEL	Output Power W	Vout Volts	Iout Ampere	Imin Ampere	Line regulation VIN(min÷max) %	Load regulation (10÷100%) %	Ripple & Noise (0÷20MHz) mV
S122R	125	5	25	0	± 0.1	± 0.5	50
S123R	120	12	10	0	± 0.1	± 0.5	100
S124R	120	15	8	0	± 0.1	± 0.5	100
S126R	120	24	5	0	± 0.1	± 0.5	100
S127R	126	36	3.5	0	± 0.1	± 0.5	100
S128R	120	48	2.5	0	± 0.1	± 0.5	100
S129R	125	96	1.3	0	± 0.1	± 0.5	200

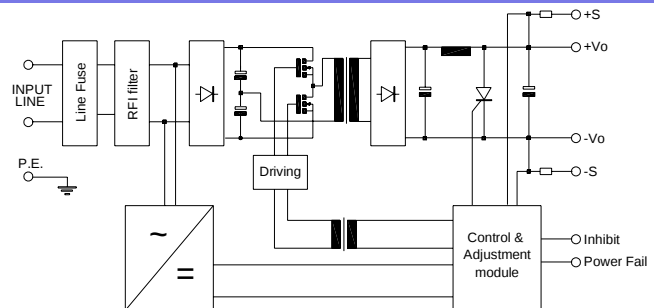
S120-R VIEW



TEMP. POWER DERATING



BLOCK DIAGRAM



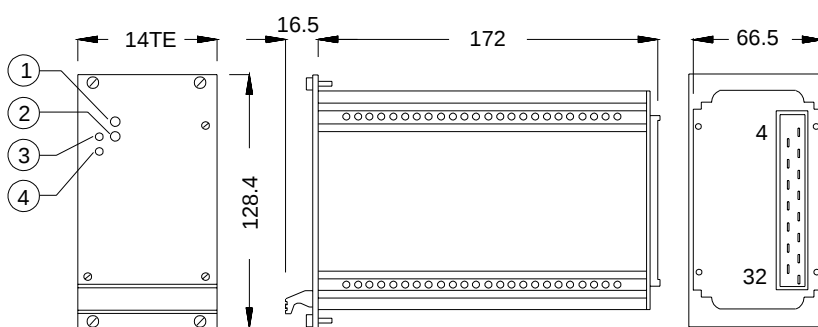
DIMENSIONS AND CONNECTIONS

front view

side view

rear view

top view



- 1) V_{out} adjustment 2) Led V_{out} -ok 3) Test point+ 4) Test point-

- 04) Sense+
06) $V_{out}+$
08) $V_{out}+$
10) $V_{out}+$
12) $V_{out}-$
14) $V_{out}-$
16) $V_{out}-$
18) Sense-
20) Relay N.O.
22) Relay Com/Inh.
24) Relay N.C.
26)
28) ACinputN
30) ACinputL
32) P.E./Chassis