

SQ120-1F-24 range

Revision: 2R17.10.02
Sheet: R000320A

FEATURES

Input voltage

21.6÷33Vac

Input frequency

50/60Hz

Efficiency

87%typ.

Switching operating frequency

50KHz typ.

Input protections

- Inrush current limitation
- EMI filter
- Line fuses

See table for

- Output voltage and current
- Output ripple and noise
- Output power

Output protections

- Short circuit protection with automatic restart

- Overcurrent protection

- Overvoltage protection

Inhibit input

- (optional) High active (4.5÷15V)

Operating temperature

0°C to 60°C

Temperature power derating

2%/°C (50÷60°C see diag.)

Storage temperature

-25°C to 85°C

Temperature drift

0.01%/°C typ.

Long term stability

Better than 1% after 24hours

Cooling

Natural convection

Control and adjustment

- Vadj. trimmer

Operating indicators

- Green led Vout OK

Isolation

- Input/Output - P.E.: 500Vdc

Comply with

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

Weight

740g

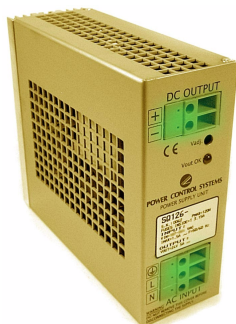
Optional features

- SF - Fixing bracket

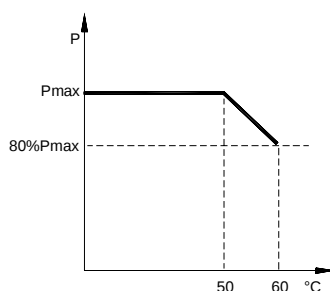
FEATURES TABLE

MODEL	Output Power W	Vout Volts	Iout Ampere	Imin Ampere	Tolerance Line + Load reg. %	Ripple & Noise (0÷20MHz) mV
SQ123-1F-24	96	12	8	0	±3%	<100
SQ126-1F-24	120	24	5	0	±3%	<100

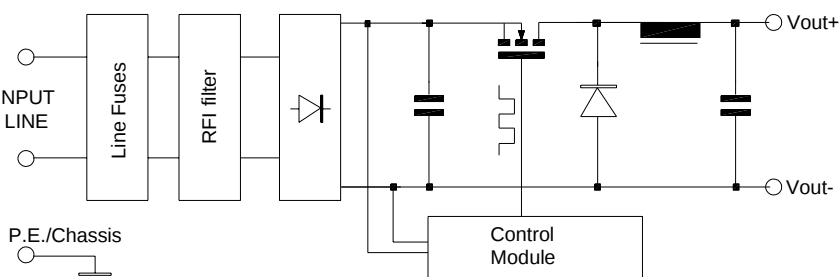
POWER SUPPLY



TEMP. DERATING



BLOCK DIAGRAM



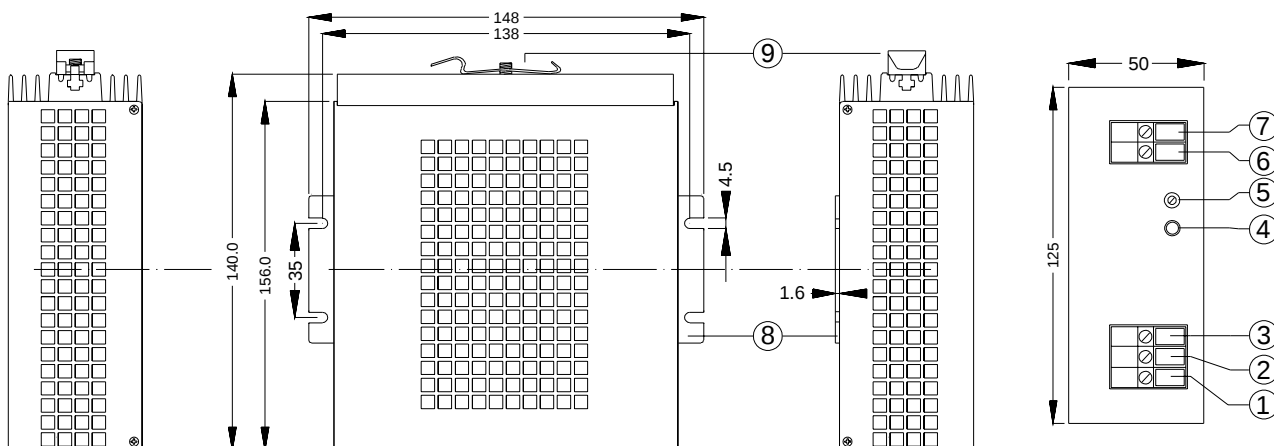
DIMENSIONS AND CONNECTIONS

top view

side view

bottom view

front view



1)ACinput N 2)ACinput L 3)P.E. 4)LED Vok 5)Vadj. trimmer 6)Vout- 7)Vout+ 8)SF-Fixing Bracket 9)H- DIN track attachment