

FEATURES

Input voltage

21.6÷35Vac
(30÷50Vdc)

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)
- Control and adjustment**
- Vadj. trimmer
- Operating indicators**
- Green led Vout OK
- 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

Dielectric withstand voltage

- Comply with EN 62368-1

Isolation

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

Comply with

- EN 61000-6-2
- EN 61000-6-3
- EN 62368-1
- CE

Weight

740g

Optional features

- DD - Output decoupl. diode for parallel connection
- SF - Fixing bracket

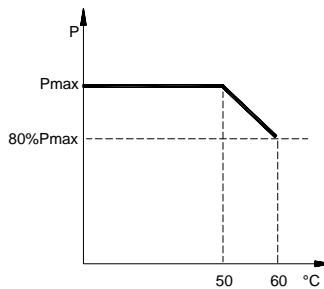
FEATURES TABLE

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

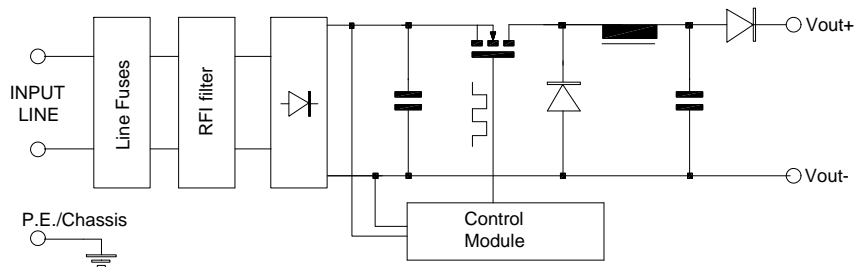
POWER SUPPLY VIEW



TEMP. DERATING



BLOCK DIAGRAM



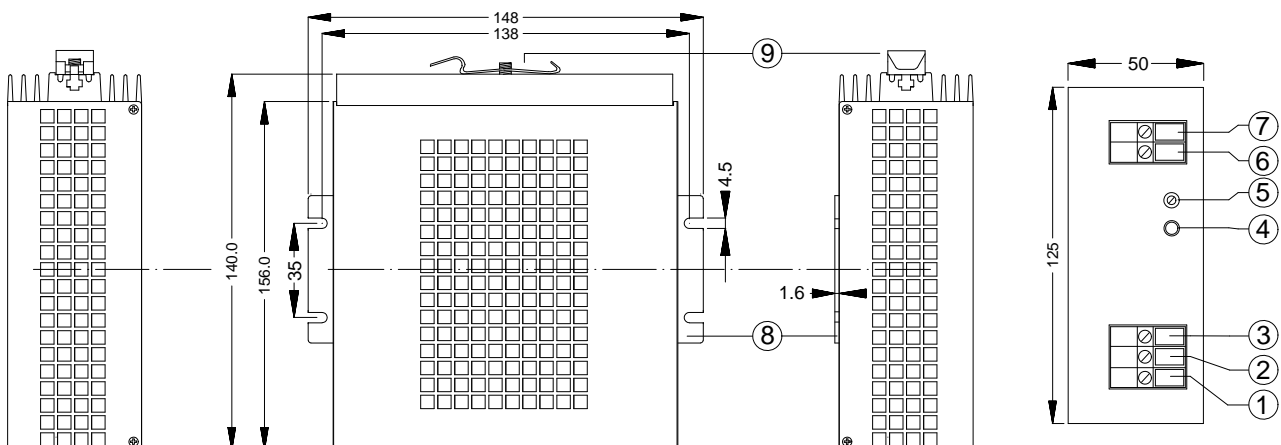
DIMENSIONS AND CONNECTIONS

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