

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

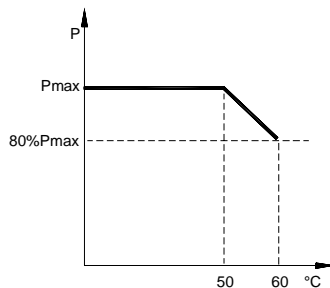
FEATURES TABLE

| 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 |

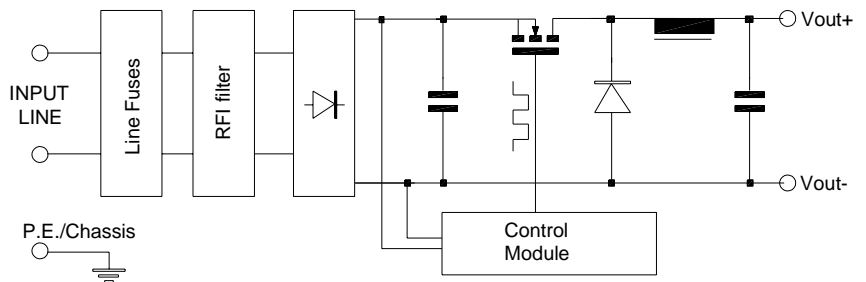
POWER SUPPLY



TEMP. DERATING



BLOCK DIAGRAM



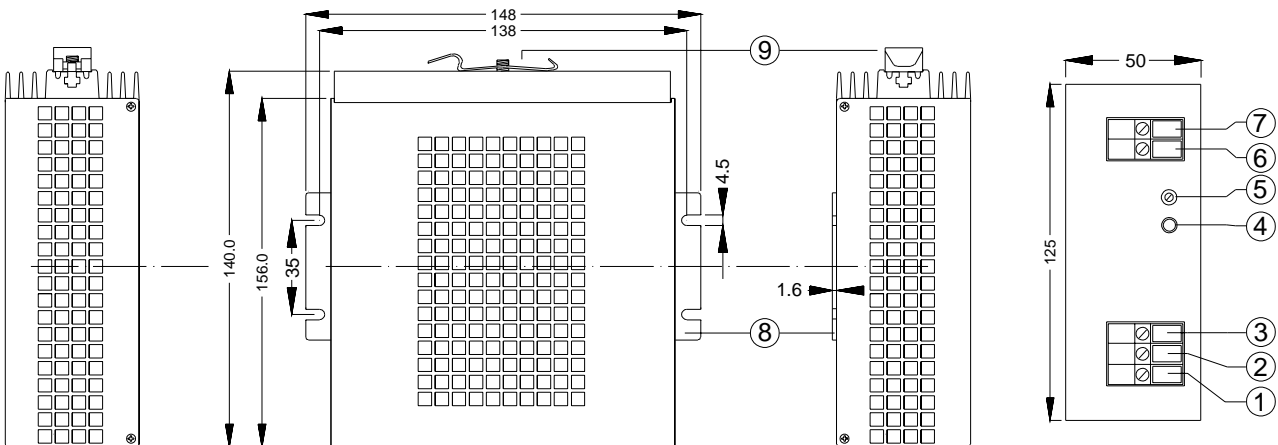
DIMENSIONS AND CONNECTIONS

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