

SQ60-1F range

Revision: 3R17.10.02
Sheet: R000801A

FEATURES

Input voltage

90÷264Vac

Input current

1.2Amax@90Vac

Input frequency

50/60Hz

Efficiency

87%typ.

Switching operating frequency

100KHz typ.

Input protections

- Inrush current limitation
- EMI filter
- Line fuses

Leakage current to GND

1mA max at 50Hz

See table for

- Output voltage and current
- Ripple and noise
- Line and load regulation

Output protections

- Short circuit protection with automatic restart
- Overcurrent protection
- Overvoltage protection

Hold up time

20msec

Output power

60W

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 typ.

Cooling

Natural convection

Control and adjustment

- Vadj. trimmer

Operating indicators

- Green led Vout OK

Dielectric withstand voltage

- Conform to EN 60950

Isolation

- Output - P.E.: 500Vdc

Comply with

- EN 50081-1
- EN 61000-6-2
- EN 61000-3-2 cl. A
- EN 60950
- CE

Weight

560g

Optional features

- SF - Fixing bracket

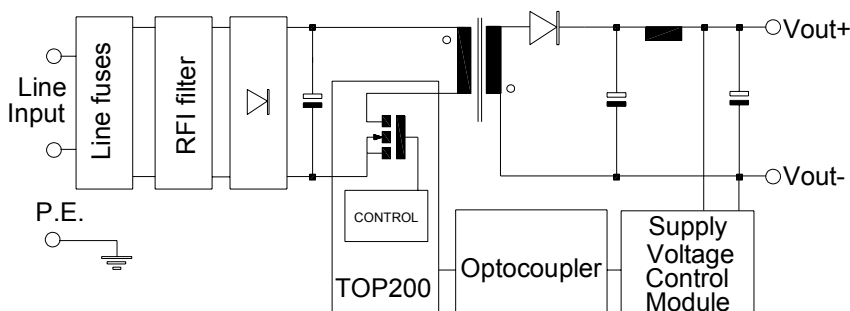
FEATURES TABLE

MODEL	Vout Volts	Iout Ampere	Imin Ampere	Tolerance Line + Load reg. %	Ripple & Noise (0÷20MHz) mV
SQ63-1F	12	5	0	±3%	<100
SQ66-1F	24	2.5	0	±3%	<100
SQ68-1F	48	1.25	0	±3%	<150

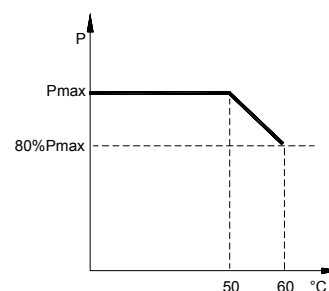
POWER SUPPLY



BLOCK DIAGRAM



TEMP. DERATING



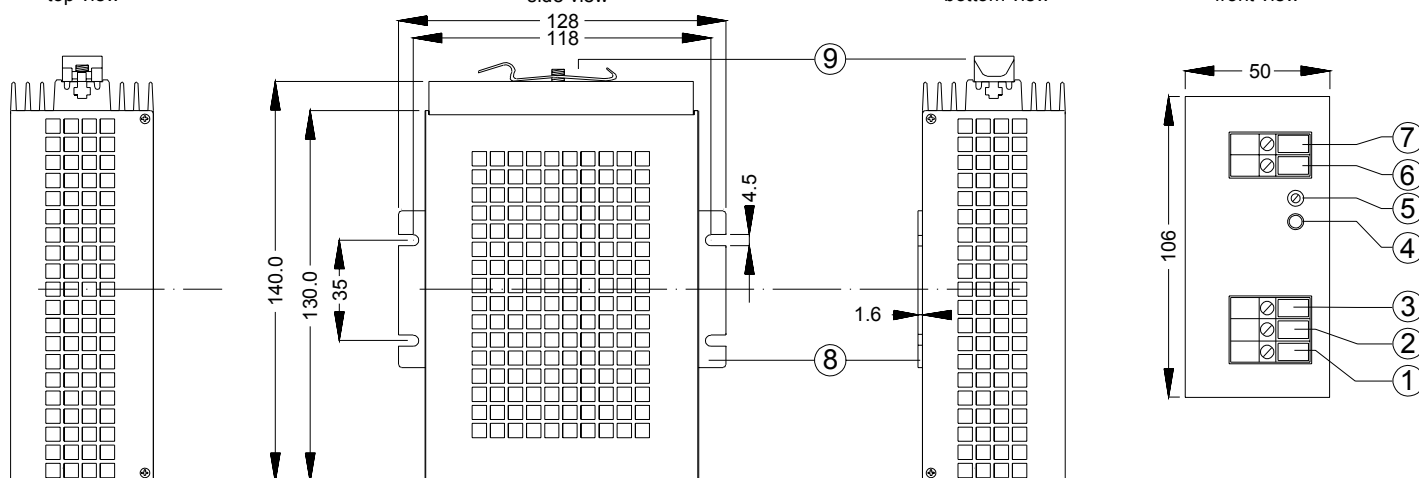
DIMENSIONS AND CONNECTIONS

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