

SQ1500-1F RANGE

Din-Rail application - Single output Din-rail mounting AC-DC power supply unit

Input voltage

187...264Vac

Input current

10A max

Input frequency

50/60Hz

Efficiency

89% at Vin=240Vac

Switching operating frequency

50KHz typ.

Power factor

0,96 typ. At Vin=240Vac

Input protections

- Inrush current typ. < 50A @ 264Vac, cold-start.

EMI filter

- Line fuses

See table for

- Output voltage and current
- Output ripple and noise

Output protections

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

Start up time

<0.2 sec.

Output power

1500W max.

Inhibit input

- (optional) High active (4.5÷15V)

FEATURES

Control and adjustment

- Trimmer Vadjust

Operating indicators

- Led Vout OK

Operating temperature

-10°C to 50°C

Storage temperature

-25°C to 85°C

Temperature drift

0.01%/°C typ.

Long term stability

Better than 1% after 24hours typ.

Cooling

Forced ventilation

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 60950-1
- CE

Weight

4650g

Alarm Relay (U.V.P)

relay's contacts loading: <=30VA, <=125Vac, <=110Vdc

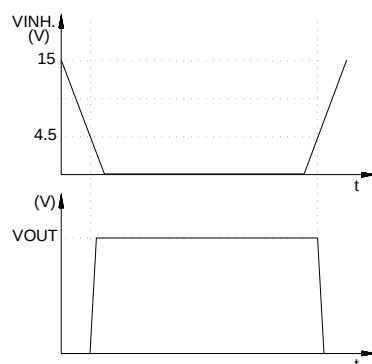
FEATURES TABLE

MODEL	Vout Nom V	Iout Nom A	Iout Min A	Voltage Accuracy %	Line Reg. %	Load Reg. %	Ripple & Noise (0÷20MHz) mV
SQ1506-1F	24	60	0	±0.5	±0.5	±2%	<200
SQ1507-1F	36	40	0	±0.5	±0.5	±2%	<200
SQ1508-1F	48	30	0	±0.5	±0.5	±2%	<200

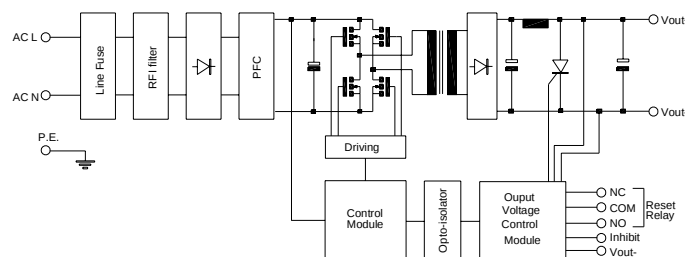
POWER SUPPLY VIEW



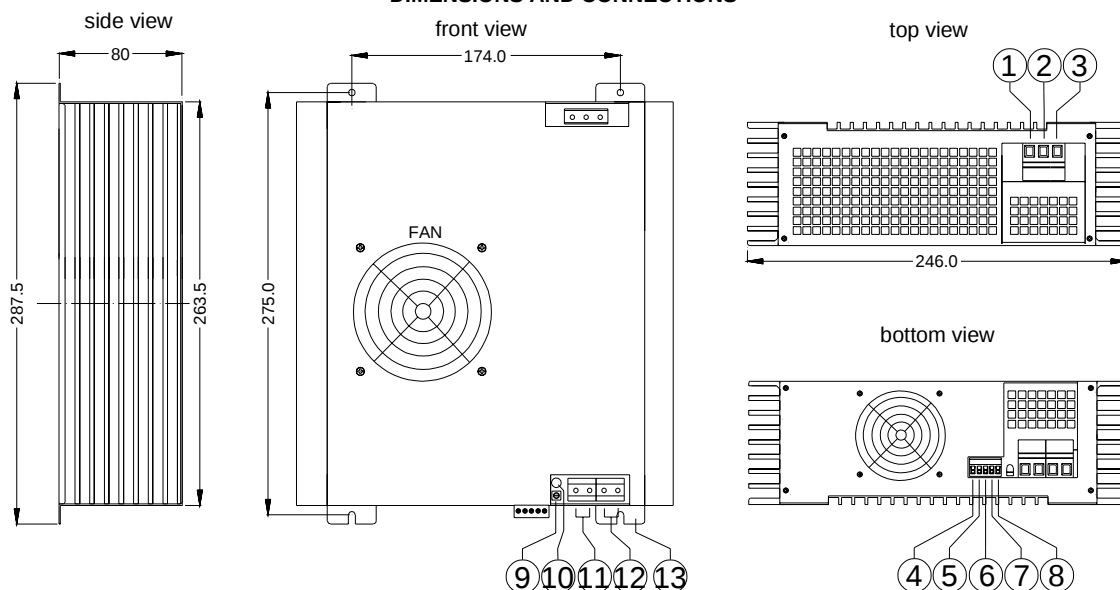
INHIBIT DIAGRAM



BLOCK DIAGRAM



DIMENSIONS AND CONNECTIONS



- 1)AC input L 2)AC input N 3)P.E. 4)Vout- 5)Inhibit 6)Reset relay NO 7)Reset relay COM 8)Reset relay NC 9)Vadj. 10)led Vout ok 11)Vout- 12)Vout+ 13)SF-Fixing Bracket