

SQ960-1F RANGE

FEATURES

Input voltage

105-240Vac

94...264Vac

Input frequency

50/60Hz

Switching operating frequency

30KHz typ.

Input protections

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

• EMI filter

• Line fuses

See table for

• Efficiency at Vinput 240Vac

• Power factor at Vinput 240Vac

• Input current at Vinput 110Vac

• Hold up time

• Output power

• 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.

Inhibit input

• (optional) High active (4.5÷15V)

Operating temperature

-10°C to 40°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

Control and adjustment

• Trimmer Vadjust

Operating indicators

• 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

4.65Kg

Optional features

• DD - Output decoupl. diode for parallel connection

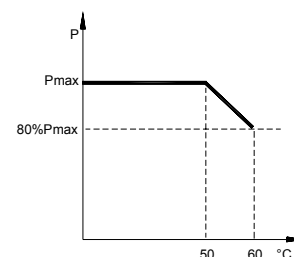
Alarm Relay (U.V.P)

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

FEATURES TABLE

MODEL	Effic. Typ. %	Power Factor Typ.	Input Current A	Hold Up Time ms	Output Power Max W	Vout Nom...Max V	Iout Nom (Vout Nom) A	Iout Min A	Voltage Accuracy %	Line Reg. %	Load Reg. %	Ripple & Noise (0÷20MHz) mV
SQ963-1F	87	0.96	14	>40	720	12...15	60	0	±0.5	±0.5	±2%	<200
SQ966-1F	89	0.96	14	>30	960	24...30	40	0	±0.5	±0.5	±2%	<200
SQ968-1F	89	0.96	14	>30	960	48...55	20	0	±0.5	±0.5	±2%	<200

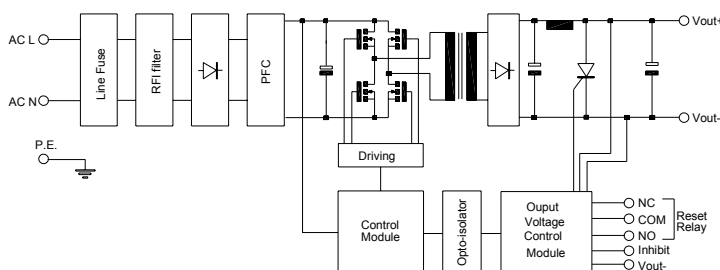
TEMP. DERATING



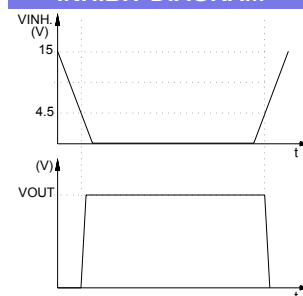
POWER SUPPLY VIEW



BLOCK DIAGRAM

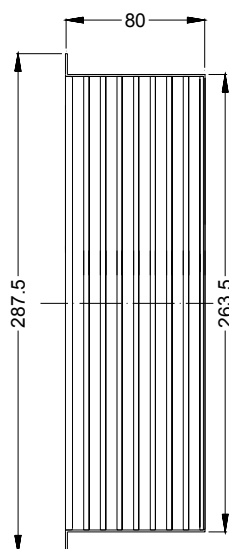


INHIBIT DIAGRAM

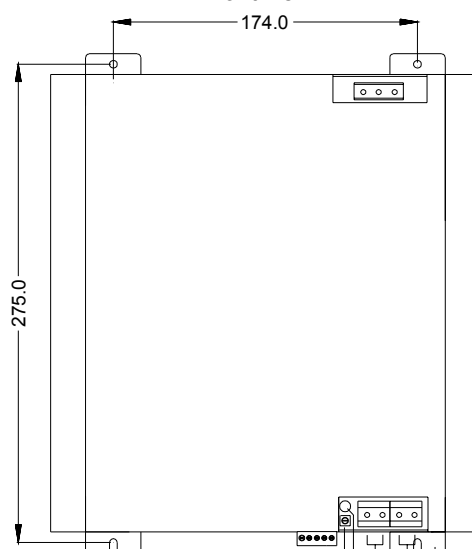


DIMENSIONS AND CONNECTIONS

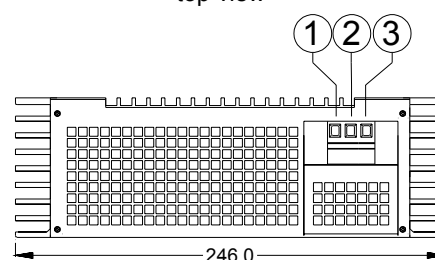
side view



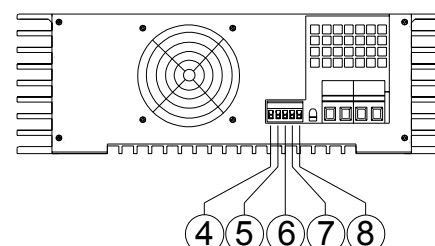
front view



top view



bottom view



- 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