

SQ1200-3F range

Revision: 12R17.10.02
Sheet: R971009C

FEATURES

Input voltage

200-240V 3AC (180...264V 3AC)
400-500V 3AC (340...576V 3AC)

Input frequency

50/60Hz

Switching operating frequency

30KHz typ.

Input protections

• Inrush current typ. < 50A @ Vin max, cold-start.

• EMI filter

• Line fuses

See table for

• Efficiency at Vin 200V or 400V

• Power factor at Vin 200V or 400V

• Input current at Vin 200V or 400V

- 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

<0.1 sec.

Inhibit input

• (optional) High active (4.5÷15V)

Operating temperature

-10°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

Forced ventilation

Control and adjustment

• Vadjust trimmer

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 60950, CE

Weight

4.75Kg

Optional features

• DD - Output decoupl. diode for parallel connection

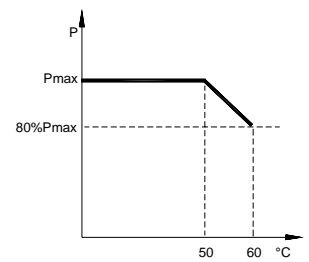
Alarm Relay (U.V.P)

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

FEATURES TABLE

MODEL	Effic. Typ. %	Power Factor Typ.	Input Current A	Hold Up Time ms	Vout Nom...Max V	Iout Nom. (Vout Nom) A	Iout Min A	Voltage Accuracy %	Line Reg. %	Load Reg. %	Ripple & Noise (0÷20MHz) mV
SQ1206-3F-400-500	90	0.89	3	>6	24...30	50	0	±0.5	±0.5%	±2%	<200
SQ1208-3F-400-500	91	0.89	3	>6	48...55	25	0	±0.5	±0.5%	±2%	<200

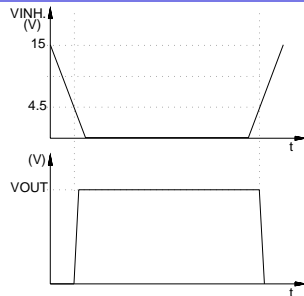
TEMP. DERATING



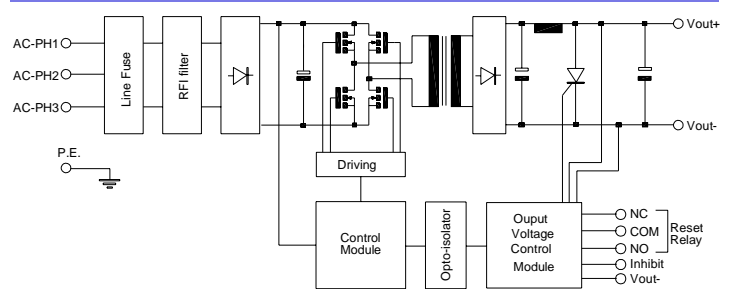
POWER SUPPLY VIEW



INHIBIT DIAGRAM

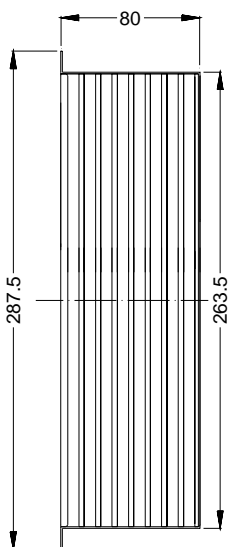


BLOCK DIAGRAM

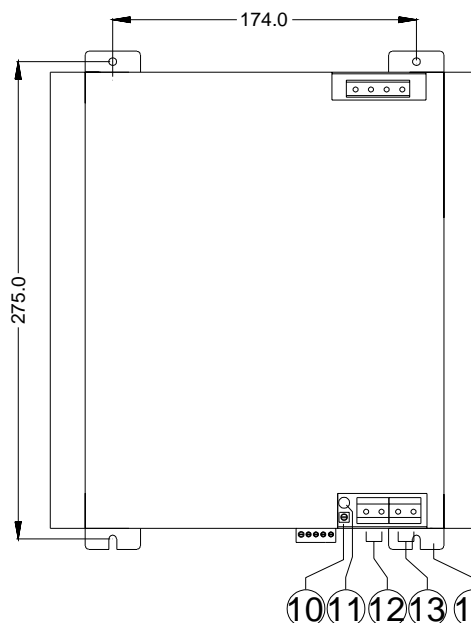


DIMENSIONS AND CONNECTIONS

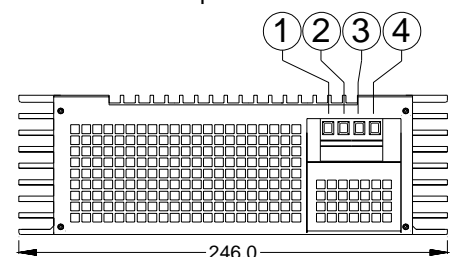
side view



front view



top view



bottom view

