

FEATURES

Input voltage

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

Input frequency

50/60Hz

Switching operating frequency

50KHz 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

Natural convection

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

4.75Kg

Optional features

- DD - Output decoupl. diode for parallel connection

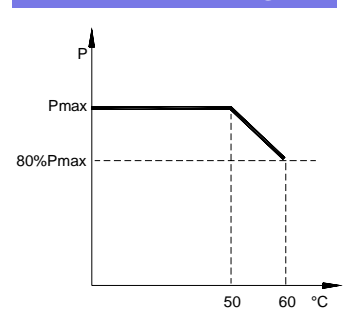
Alarm Relay (U.V.P)

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

FEATURES TABLE

MODEL	Effic. Typ. %	Power Factor Typ.	Input Current A	Hold Up Time ms	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
SQ963-3F-200-240	86	0.87	5	>10	720	12...15	60	0	±0.5	±0.5	±2%	<200
SQ963-3F-400-500	85	0.87	2.5	>10								
SQ966-3F-200-240	91	0.87	5	>8	960	24...30	40	0	±0.5	±0.5	±2%	<200
SQ966-3F-400-500	90	0.87	2.5	>8								
SQ968-3F-200-240	92	0.87	5	>8	960	48...55	20	0	±0.5	±0.5	±2%	<200
SQ968-3F-400-500	92	0.87	2.5	>8								

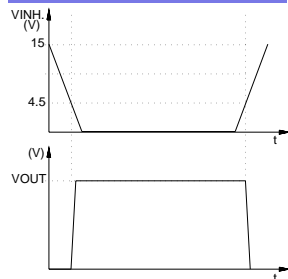
TEMP. DERATING



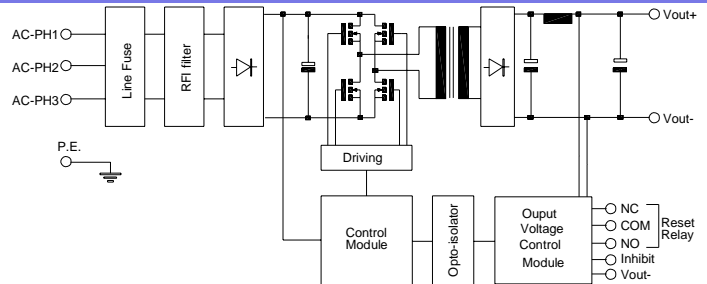
POWER SUPPLY VIEW



INHIBIT DIAGRAM

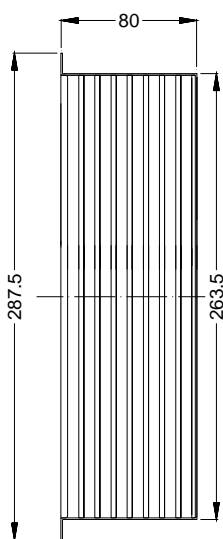


BLOCK DIAGRAM

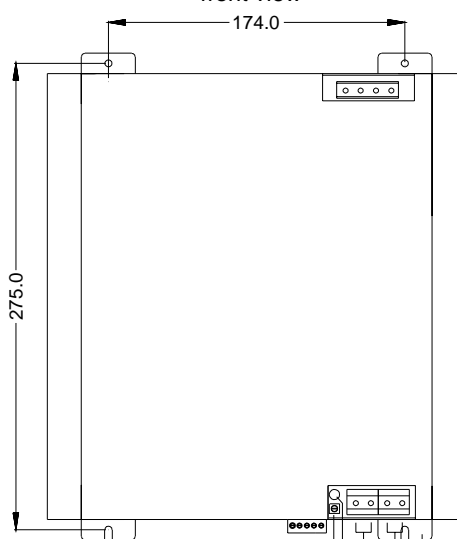


DIMENSIONS AND CONNECTIONS

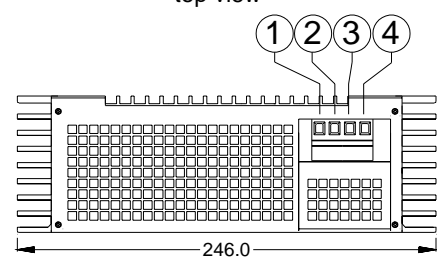
side view



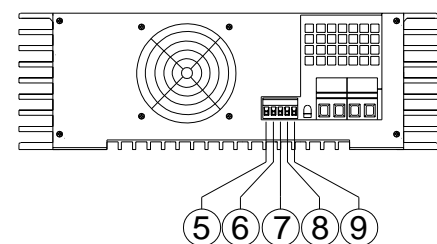
front view



top view



bottom view



- 1)ACinput phase1 2)ACinput phase2 3)ACinput phase3 4)P.E. 5)Vout- 6)Inhibit 7)Reset relay NO
8)Reset relay COM 9)Reset relay NC 10)Vadj. 11)led Vout ok 12)Vout- 13)Vout+ 14)SF-Fixing Bracket

Note: all features are subject to change without notice.