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

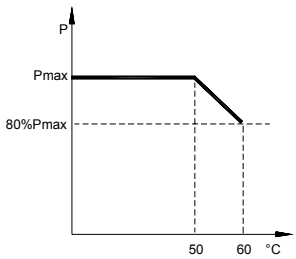
Optional features
• DD - Output decoupl. diode for parallel connection

Alarm Relay (U.V.P)
relay's contacts loading: <=30VA, <=125Vac, <=110Vdc

FEATURES TABLE

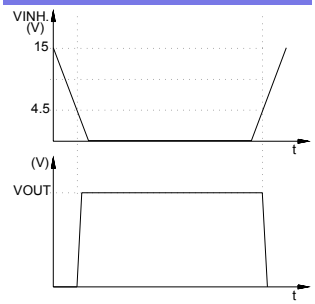
MODEL	Effic. Typ. %	Power Factor Typ.	Input Current A	Hold Up Time ms	Vout Nom...Max V	Iout Nom. (Vout Nom) A	Iout Min A	Voltage Accuracy %	Line Reg. %	Load Reg. %	Ripple & Noise (0÷20MHz) mV
SQ1206-3F-400-500	90	0.89	3	>6	24...30	50	0	±0.5	±0.5%	±2%	<200
SQ1208-3F-400-500	91	0.89	3	>6	48...55	25	0	±0.5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

TEMP. DERATING

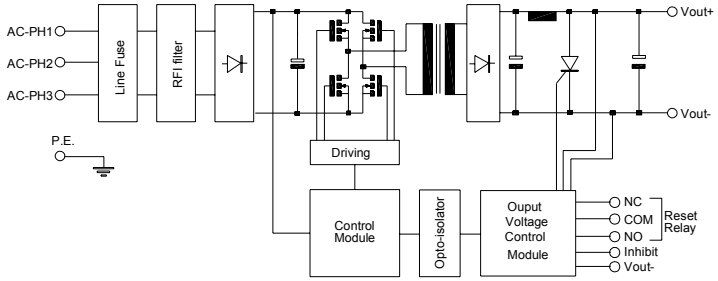


POWER SUPPLY VIEW

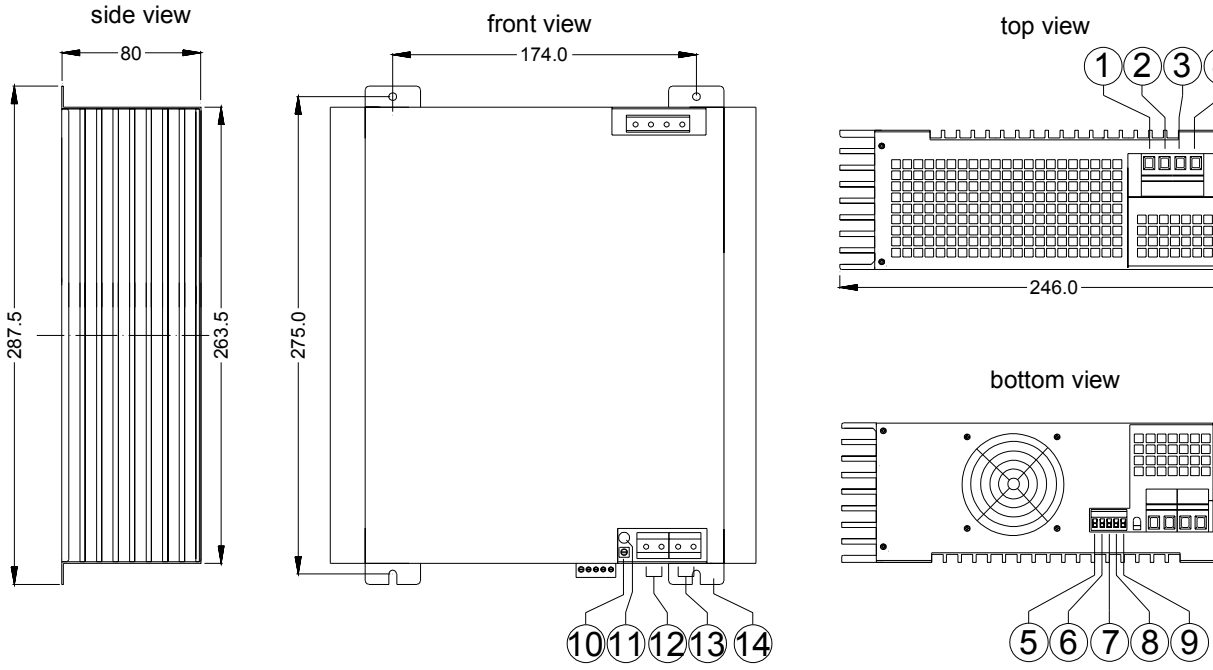
INHIBIT DIAGRAM



BLOCK DIAGRAM



DIMENSIONS AND CONNECTIONS



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

AZIENDA CERTIFICATA
GLOBE CERTIFICAZIONI
I918R/2008
UNI EN ISO 9001:2000

Note: all features are subject to change without notice.

Costruzioni Elettroniche Elettromeccaniche & Affini s.r.l. - 10132 TORINO - C.so Casale, 413 - Tel. 0118987106 / 0115534597 - fax 0115534597 - e_mail cea@cea.to - URL http://www.cea.to