

- 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

FEATURES

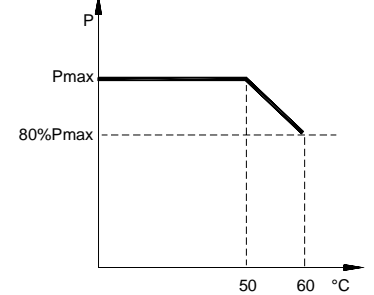
- Temperature power derating**
2%/°C (50÷60°C see diag.)
- Storage temperature**
-25°C to 85°C
- Temperature drift**
0.01%/°C typ.
- Long term stability**
Better than 1% after 24hours typ.
- Cooling**
Natural convection
- Dielectric withstand voltage**
- Conform to EN 60950
- Isolation**
- Output - P.E.: 500Vdc

- Comply with**
- EN 50081-1
 - EN 61000-6-2
 - EN 61000-3-2 cl. A
 - EN 60950-1
 - CE
- Weight**
4750g
- Alarm Relay (U.V.P)**
relay's contacts loading: <=30VA, <=125Vac, <=110Vdc
- Optional features**
- DD - Output decoupl. diode for parallel connection

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								

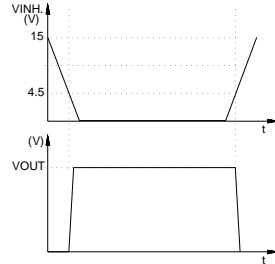
TEMP. DERATING



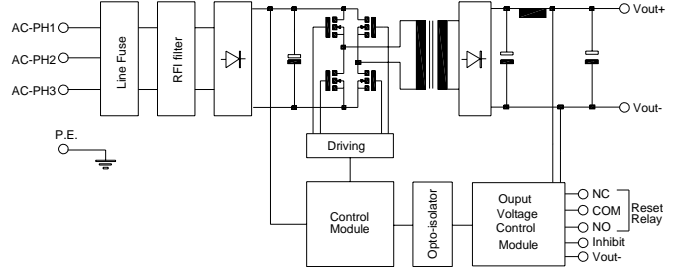
POWER SUPPLY VIEW



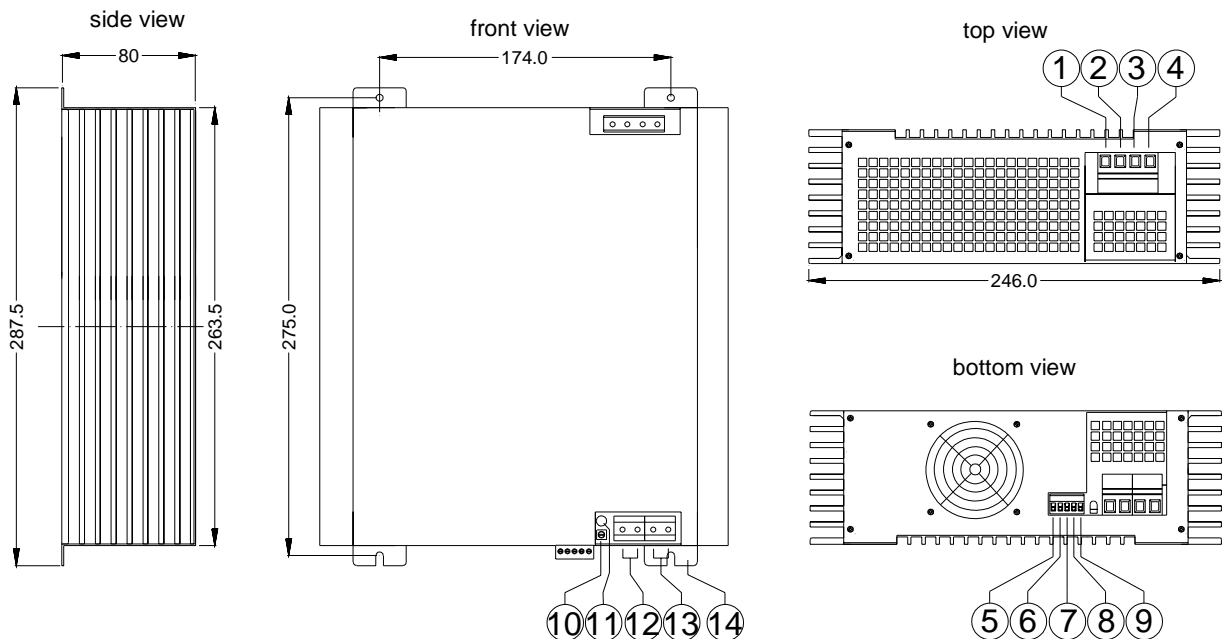
INHIBIT DIAGRAM



BLOCK DIAGRAM



DIMENSIONS AND CONNECTIONS



- 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