

- 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 Vinut 240Vac
 - Power factor at Vinut 240Vac
 - Input current at Vinut 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)
- Control and adjustment**
- Trimmer Vadjust

FEATURES

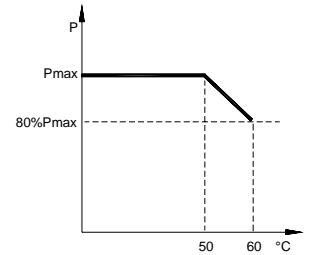
- Operating indicators**
- Led Vout OK
- Operating temperature**
-10°C to 40°C
- Storage temperature**
-25°C to 85°C
- Temperature drift**
0.01%/°C typ.
- Long term stability**
Better than 1% after 24hours typ.
- Cooling**
Forced ventilation
- Dielectric withstand voltage**
- Conform to EN 60950

- 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**
4.65Kg
- 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
SQ963-1F	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

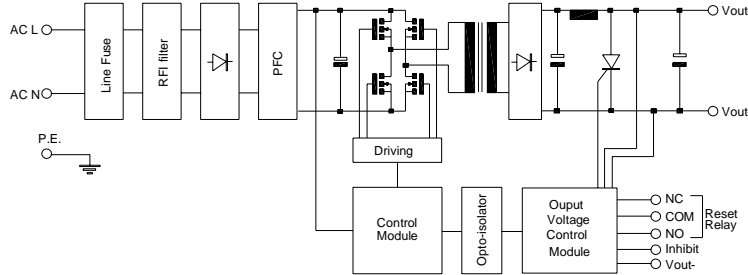
TEMP. DERATING



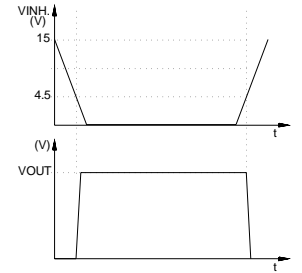
POWER SUPPLY VIEW



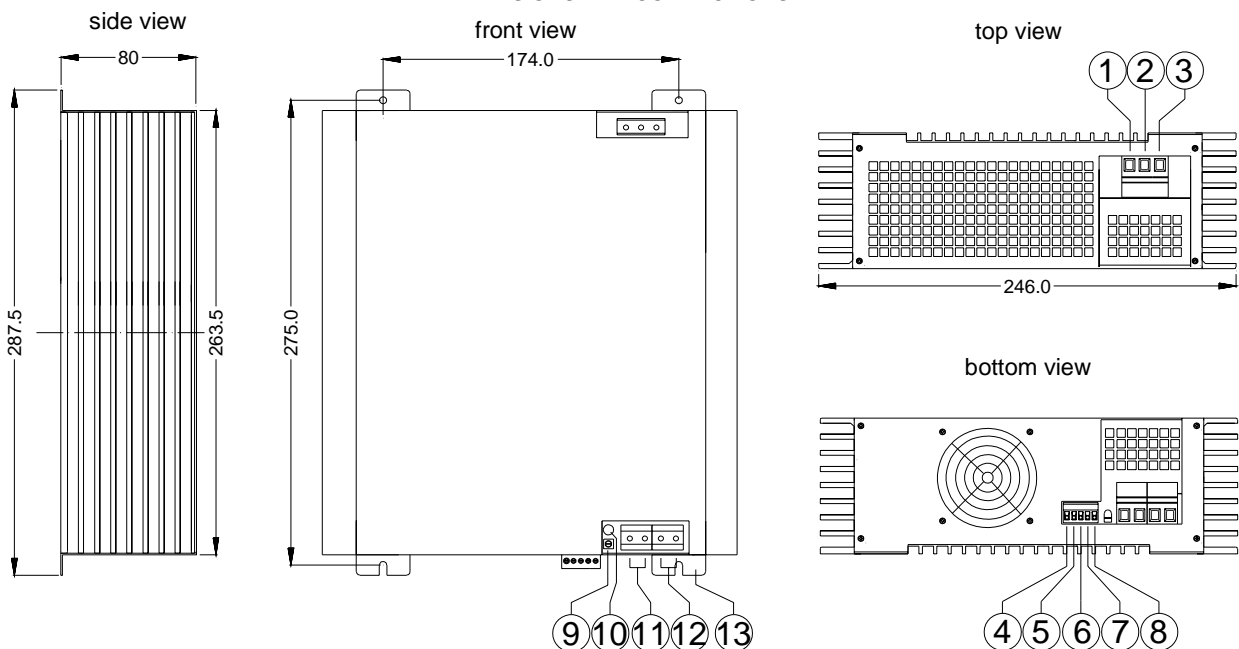
BLOCK DIAGRAM



INHIBIT DIAGRAM



DIMENSIONS AND CONNECTIONS



- 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