

- Input voltage**
100-120/220-240Vac
90...132Vac/180...264Vac
(Internal voltage selector)
- Input frequency**
50/60Hz
- Switching operating frequency**
50KHz typ.
- Input protections**
- Inrush current typ. < 50A @ 264Vac, cold-start.
 - EMI filter
 - Line fuses
- See table for**
- Efficiency at V_{input} 240Vac
 - Power factor at V_{input} 240Vac
 - Input current at V_{in} 110/240Vac
 - 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**
<1.7 sec.
- Inhibit input**
- (optional) High active (4.5÷15V)
- Control and adjustment**
- Vadj. trimmer
- Operating indicators**
- Green led VoutOK

FEATURES

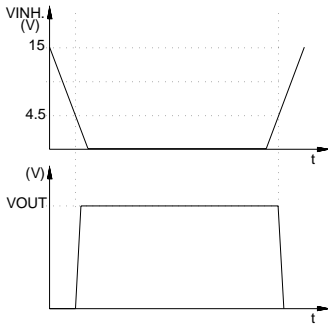
- Operating temperature**
-10°C to 60°C
- Temperature power derating**
2%/°C (50÷60°C)
- Storage temperature**
-25°C to 85°C
- Temperature drift**
0.01%/°C typ.
- Long term stability**
Better than 1% after 24hours typ.
- Cooling**
Natural convection
- Dielectric withstand voltage**
- Conform to EN 60950
- Isolation**
- Output - P.E.: 500Vdc

- Comply with**
- EN 50081-1
 - EN 61000-6-2
 - EN 61000-3-2 cl. A
 - EN 60950
 - CE
- Weight**
1200g
- Alarm Relay (U.V.P)**
relay's contacts loading: <=30VA, <=125Vac, <=110Vdc
- Optional features**
- DD - Output decoupl. diode for parallel connection
 - SF - Fixing bracket

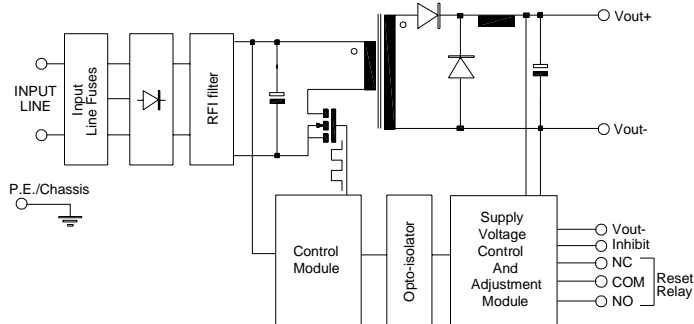
FEATURES TABLE

MODEL	Efficiency 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
SQ243-1F	83	0.68	4/2	>13	180	12...15	15	0	±0.5	±0.5	±2%	<200
SQ246-1F	88	0.68	4/2	>8	240	24...30	10	0	±0.5	±0.5	±2%	<200
SQ248-1F	88	0.68	4/2	>8	240	48...55	5	0	±0.5	±0.5	±2%	<200

INHIBIT DIAGRAM



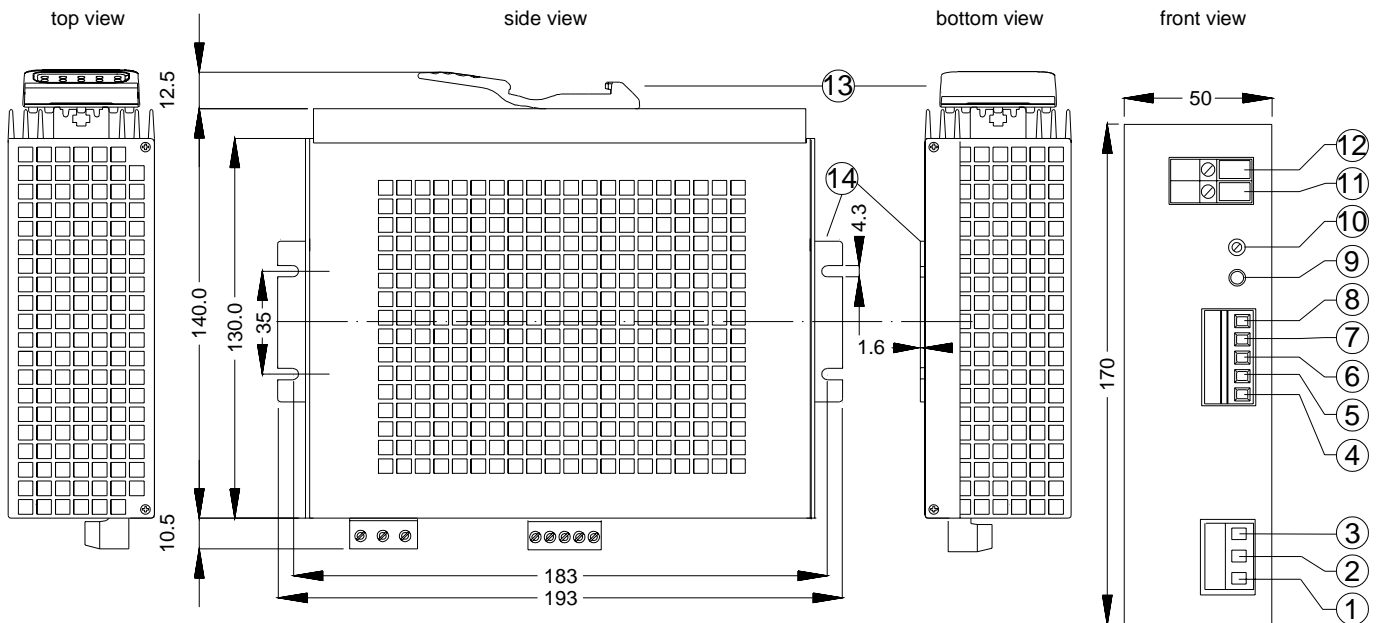
BLOCK DIAGRAM



POWER SUPPLY VIEW



DIMENSIONS AND CONNECTIONS



- 1)ACinput N 2)ACinput L 3)P.E. 4)Reset relay NO 5)Reset relay Com 6)Reset relay NC 7)Inhibit
8)Vout- 9)LED Vok 10)Vadj. trimmer 11)Vout- 12)Vout+ 13)H-For RAIL-DIN mouting 14)SF-Fixing bracket