

## FEATURES

### 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 Vinut 240Vac

- Power factor at Vinut 240Vac

- Input current at Vin 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)

### 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

### Control and adjustment

- Vadj. trimmer

### Operating indicators

- Green led VoutOK

### 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

1.2Kg

### Optional features

- DD - Output decoupl. diode for parallel connection

- SF - Fixing bracket

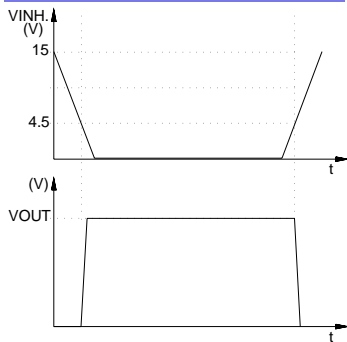
### Alarm Relay (U.V.P)

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

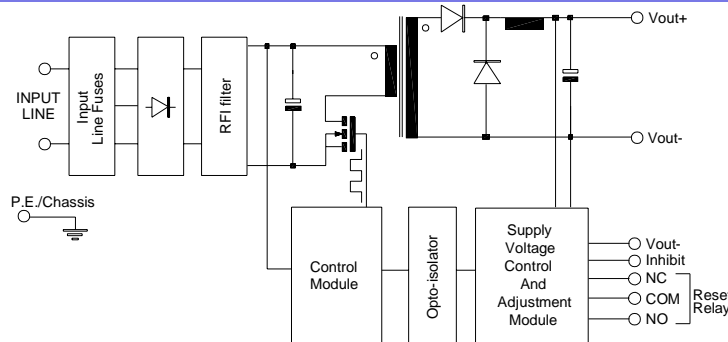
## FEATURES TABLE

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



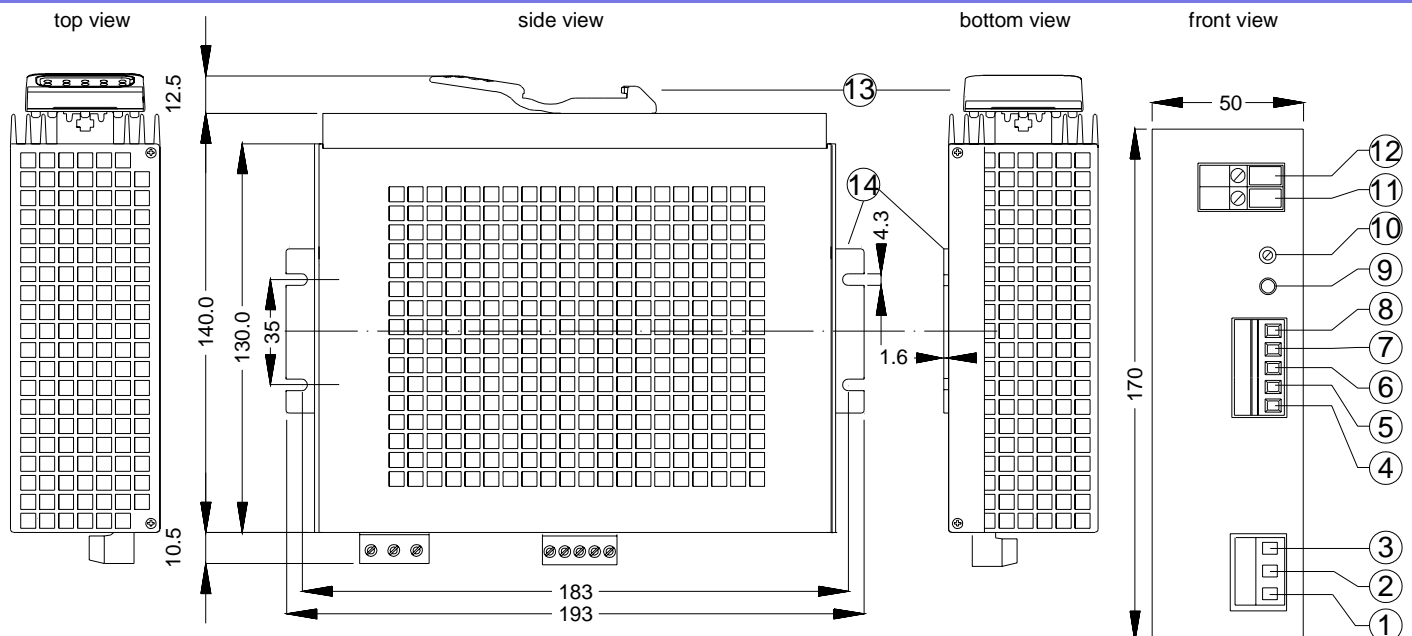
## BLOCK DIAGRAM



## POWER SUPPLY



## 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

Note: all features are subject to change without notice.