

SQ480-1F range

Revision: 7R17.10.02
Sheet: R000121A

FEATURES

Input voltage

105-240Vac
94...264Vac

Input frequency

50/60Hz

Switching operating frequency

50KHz typ.

Input protections

• Inrush current typ. < 40A @ 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

<1.1 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

Natural convection

Control and adjustment

- Vadjust trimmer

Operating indicators

- Green led Vout OK

Dielectric withstand voltage

- Conform to EN 60950

Isolation

- Output - P.E.: 500Vdc

Comply with

- EN 50081-2
- EN 61000-6-2
- EN 61000-3-2 cl. A
- EN 60950
- CE

Weight

2.65Kg

Optional features

- DD - Output decoupl. diode for parallel connection

- SF - Fixing bracket

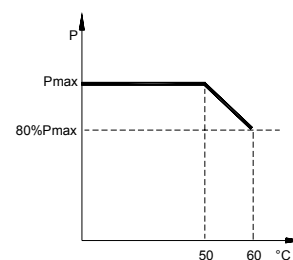
Alarm Relay (U.V.P)

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

FEATURES TABLE

MODEL	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
SQ483-1F	84	0.97	7	>40	360	12...15	30	0	±0.5	±0.5	±2%	<200
SQ486-1F	86	0.97	7	>30	480	24...30	20	0	±0.5	±0.5	±2%	<200
SQ488-1F	87	0.97	7	>30	480	48...55	10	0	±0.5	±0.5	±2%	<200

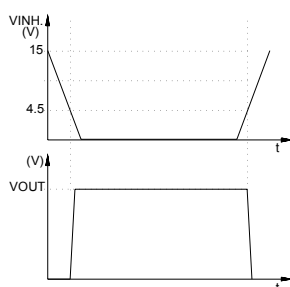
TEMP. DERATING



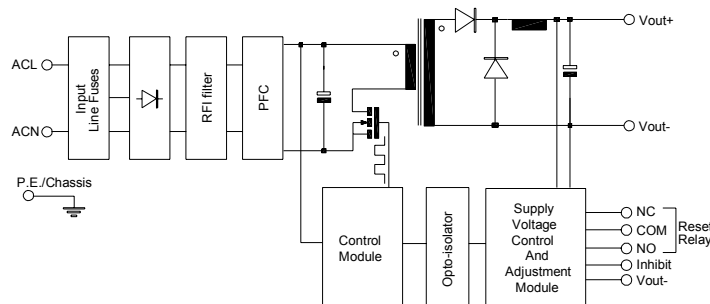
POWER SUPPLY VIEW



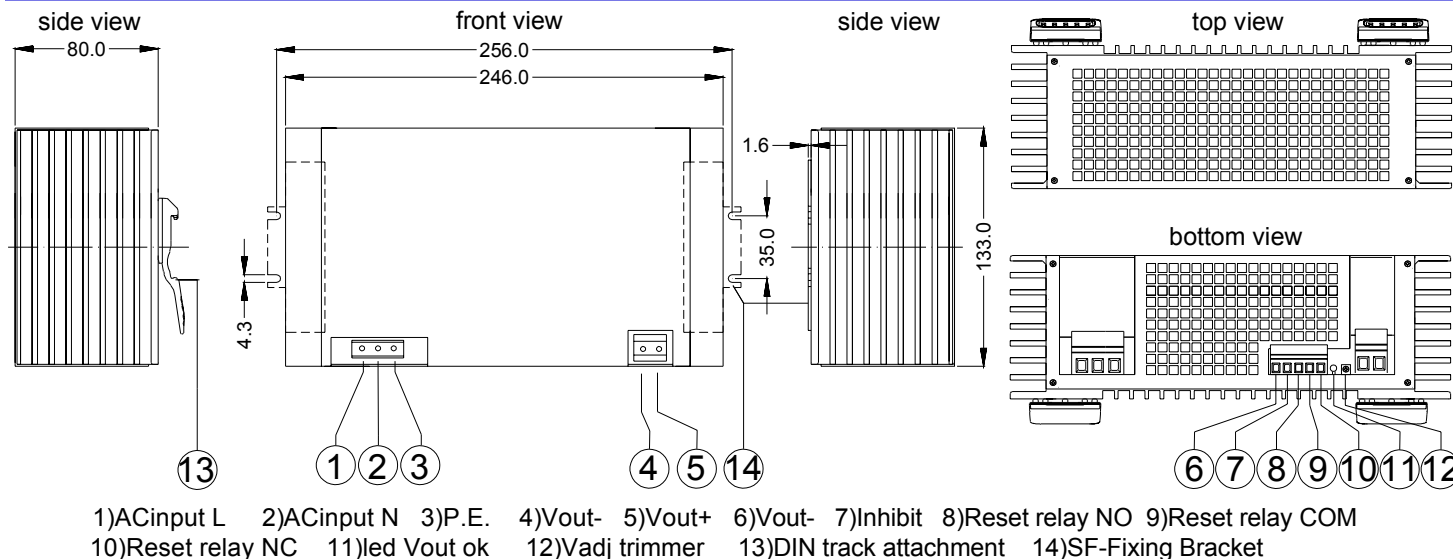
INHIBIT DIAGRAM



BLOCK DIAGRAM



DIMENSIONS AND CONNECTIONS



AZIENDA CERTIFICATA



Note: all features are subject to change without notice.

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