

SQ120-3F range

Revision: 6R17.10.02
Sheet: R001109A

FEATURES

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. < 30A @ 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

<1.7 sec.

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

Cooling

Natural convection

Control and adjustment

- Vadj. trimmer

Operating indicators

- Green led Vout OK

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

750gr.

Optional features

- DD - Output decoupl. diode for parallel connection

- SF - Fixing bracket

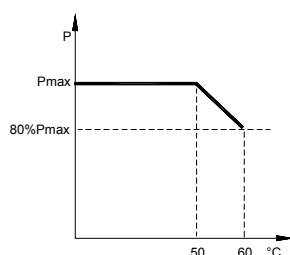
FEATURES TABLE

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
SQ123-3F-200-240	83	0.55	1	>10	96	12...15	8	0	±0.5	±0.5	±2	<200
SQ123-3F-400-500	83	0.55	0.5	>10								
SQ126-3F-200-240	84	0.55	1	>8	120	24...30	5	0	±0.5	±0.5	±2	<200
SQ126-3F-400-500	85	0.55	0.5	>8								
SQ128-3F-200-240	85	0.55	1	>8	120	48...55	2.5	0	±0.5	±0.5	±2	<200
SQ128-3F-400-500	85	0.55	0.5	>8								

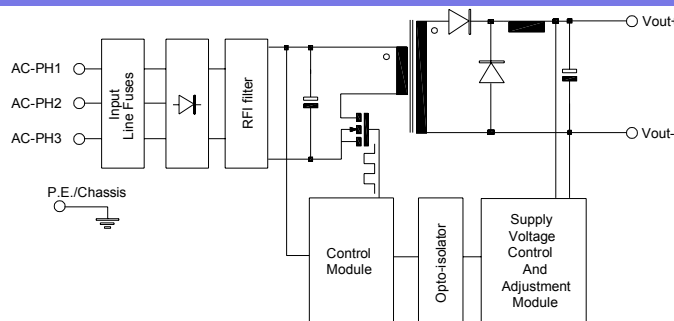
POWER SUPPLY VIEW



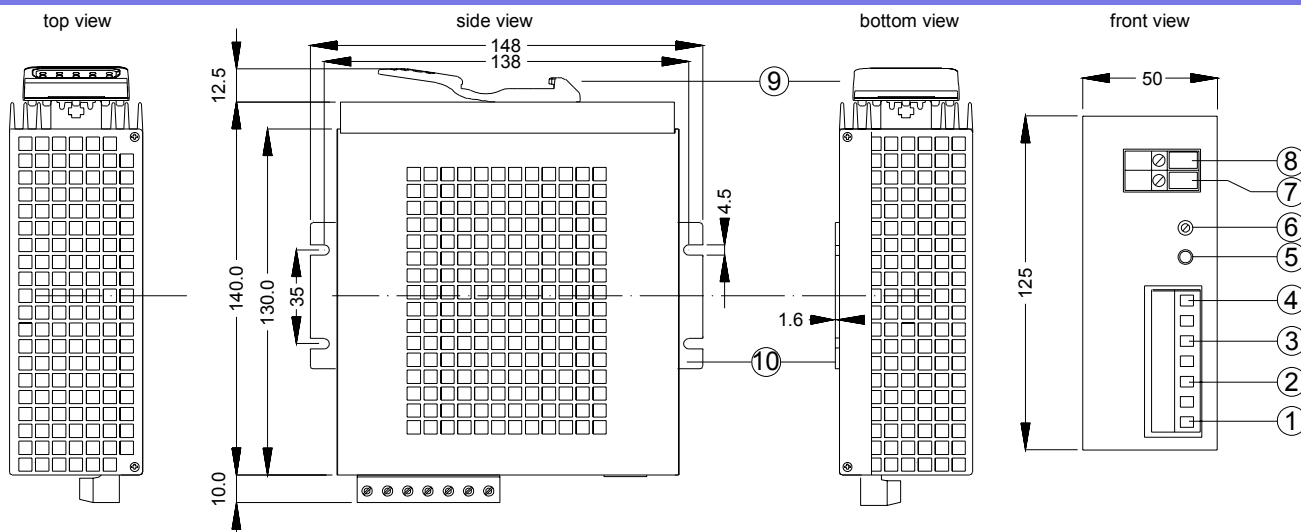
TEMP. DERATING



BLOCK DIAGRAM



DIMENSIONS AND CONNECTIONS



1)ACinput phase1 2)ACinput phase2 3)ACinput phase3 4)P.E. 5)LED Vok 6)Vadj. trimmer 7)Vout- 8)Vout+ 9)DIN track attachment 10)SF-Fixing Bracket

AZIENDA CERTIFICATA



Note: all features are subject to change without notice.

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