

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

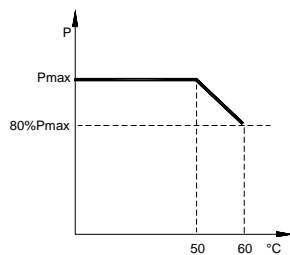
FEATURES TABLE

| 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 | | | | | | | | |

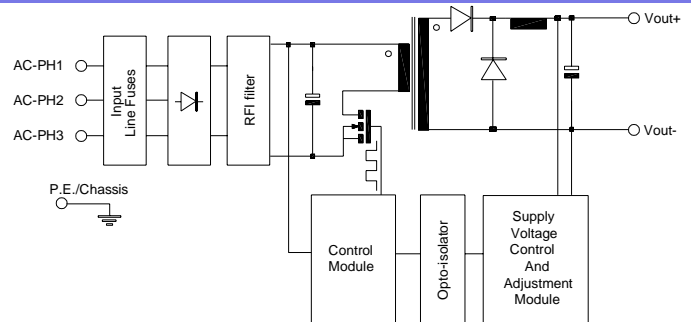
POWER SUPPLY VIEW



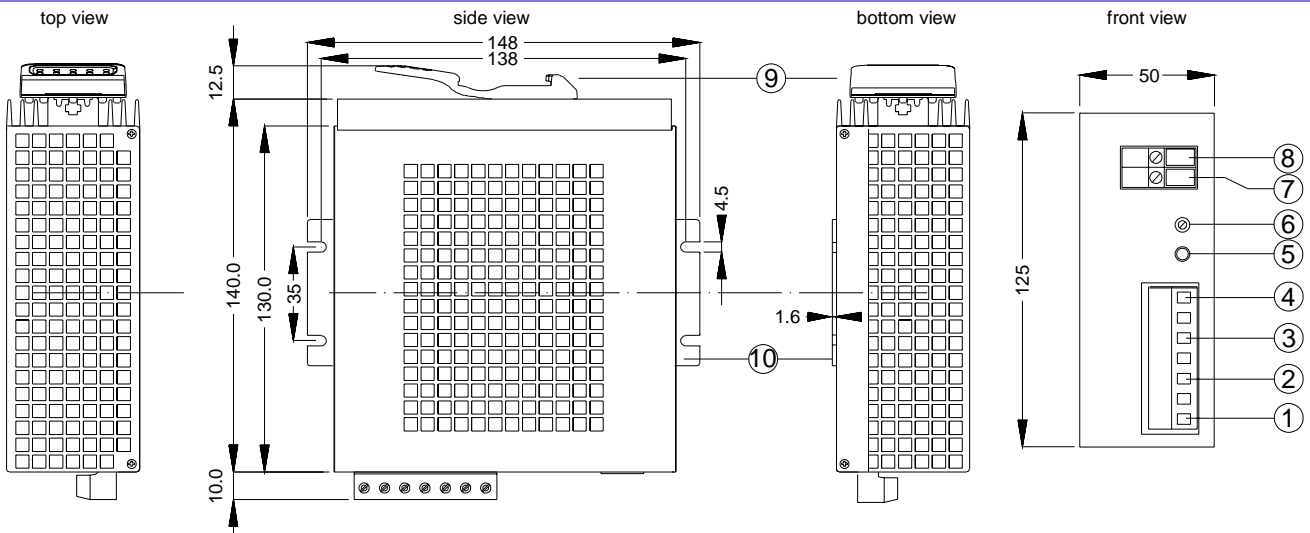
TEMP. DERATING



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

Note: all features are subject to change without notice.