

### 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.

### Control and adjustment

- Vadj. trimmer

### Operating indicators

- Green led Vout OK

## FEATURES

### 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

### 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 60950-1
- CE

### Weight

750g

### Optional features

- DD - Output decoupl. diode for parallel connection
- SF - Fixing bracket

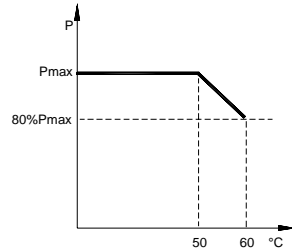
## FEATURES TABLE

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								

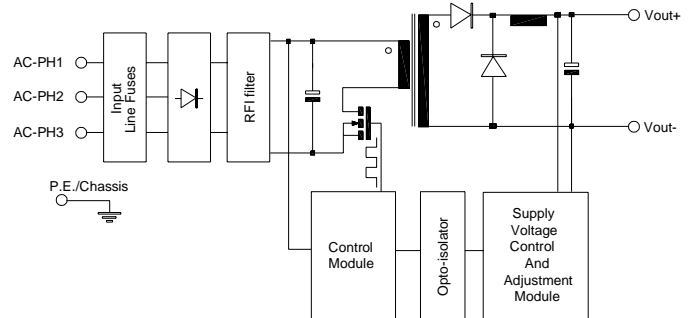
### POWER SUPPLY VIEW



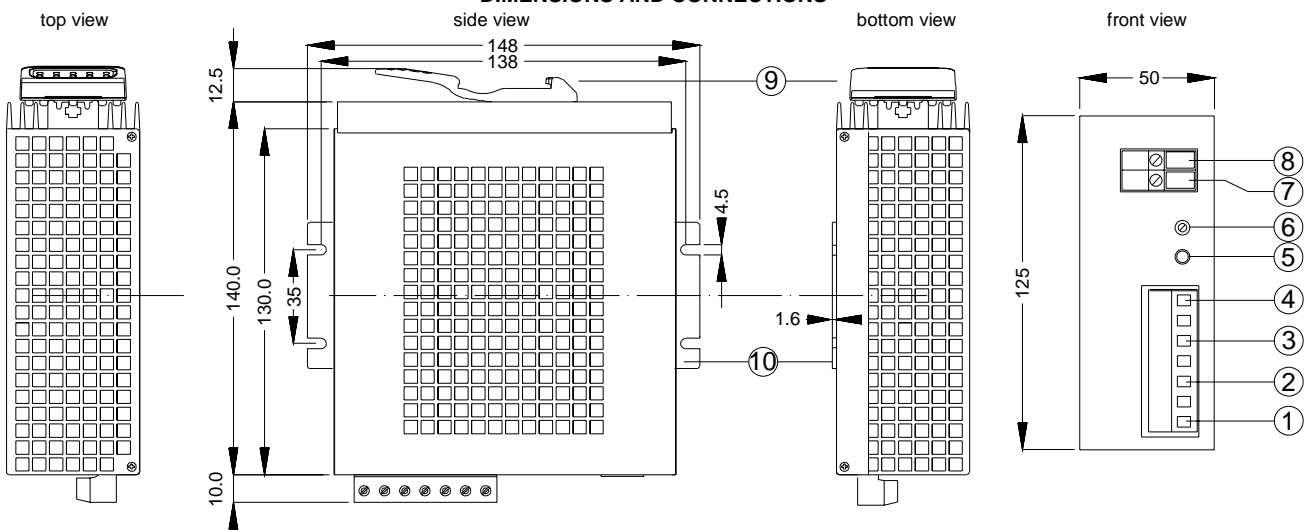
### TEMP. DERATING



### 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