

FEATURES

Input voltage

115/230Vac $\pm 15\%$, jumper on pcb
90 \div 264Vac with PFC

Input frequency

50/60Hz

Efficiency

75% typ.

Input protections

- Start-up peak current limitation : 30A at Vin=220Vac

- Fuses on both input lines and EMI filter

Leakage current to GND

Max 2mA at 50Hz

See table for

- Output voltages and current

- Line and load regulation

- Output ripple and noise

Output protections

- Overload

- Short circuit

- Overvoltage : at Vo + 25% typ.

- Over temperature: shutdown above 95°C

Hold up time

15msec min.

Start up time

60msec typ.

Output power

384 \div 480W (see table)

Remote sense compensation

- 0,5V max

Inhibit input

- TTL/CMOS comp. low active

Operating temperature

0°C to 50°C

Temperature power derating

2%/°C (50 \div 70°C)

Storage temperature

-20°C to 85°C

Long term stability

Better than 1% after 24 hours

Cooling

Forced ventilation

Operating indicators

- Green led : input voltage

- Yellow led : over temperature protection

- Red led : power failure

Dielectric withstand voltage

- Input - Output : 3750Vac (on insulating components)

- Input - P.E.: 1750Vac

Isolation

- Output - P.E.: 500Vdc

Comply with

- EN 50081-1

- EN 61000-6-2

- EN 60950

- CE

Weight

A=4450gr. B=3600gr.

Optional features

- DC - DC input for AC-DC units

- PF - Power fail/reset signal

- DD - Output decoupl. diode for parallel connection

- AL - Alarm relay contact

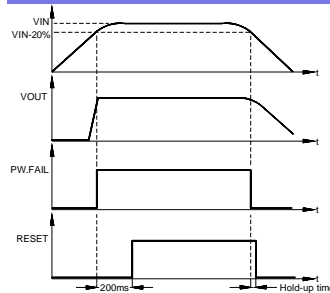
FEATURES TABLE

MODEL	Enclosure	Output Power W	Vout Volts	Output voltage adj. Volts	Iout Ampere	Line regulation VIN(min÷max) %	Load regulation (10÷100%) %	Ripple & Noise (0÷30MHz) % Vout
S402	A	400	5	4.5÷5.5	80	± 0.1	± 0.5	1
S403	A-B	384	12	10.5÷14	32	± 0.1	± 0.5	1
S404	A-B	390	15	14÷17	26	± 0.1	± 0.5	1
S406	B	384	24	20÷28	16	± 0.1	± 0.5	1
S407	B	432	36	31÷42	12	± 0.1	± 0.5	1
S408	B	480	48	41÷52	10	± 0.1	± 0.5	1
S409	B	480	96	85÷110	5	± 0.1	± 0.5	1

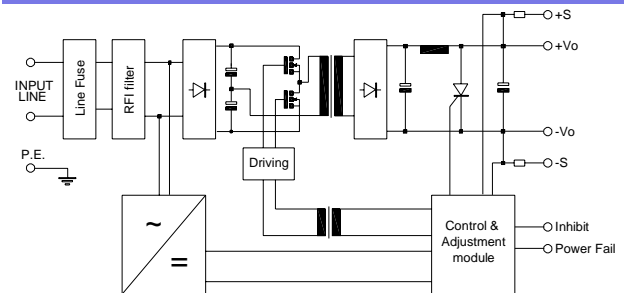
S400 VIEW



PF/RESET SIGNALS

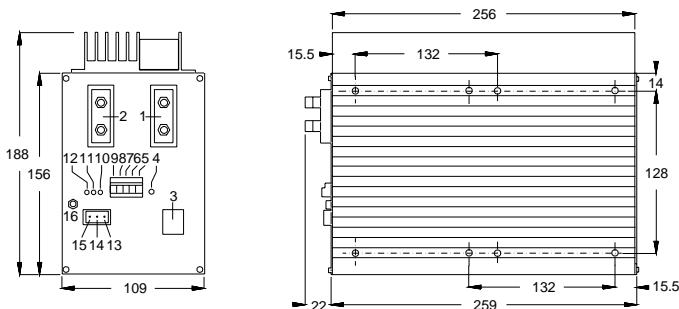


BLOCK DIAGRAM

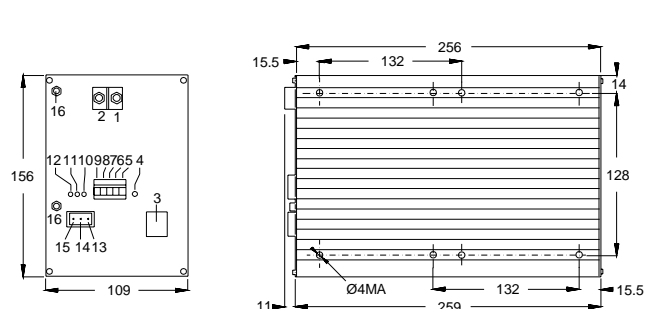


DIMENSIONS AND CONNECTIONS

enclosure type -A-



enclosure type -B-



- 1)Vout+ 2)Vout- 3)Label sr.num. 4)Vadj. 5)Sense+ 6)Sense- 7)Power Fail (opt. relay N.O.) 8)Inhibit 9)Reset (opt. relay COM)
10)Led Power Fail. 11)Led over-temperature 12)Led line-ON 13)AC input N 14)n.c. 15)AC input L 16)P.E./Chassis

Note: all features are subject to change without notice.