S400 range

Revision: 10R17.10.02
Sheet: A-400-00

FEATURES

Input voltage
115/230Vac ±15%, jumper on pcb
90÷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÷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÷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.

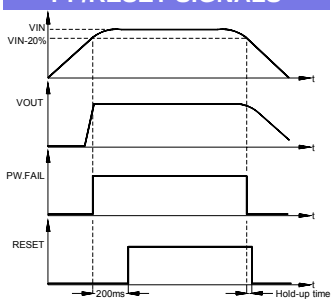
Optional features
• DC - DC input for AC-DC units
• PF - Power fail/reset signal
• DD - Output decoupl. diode for parallel connection
• AL - Alarm relay contact

FEATURES TABLE

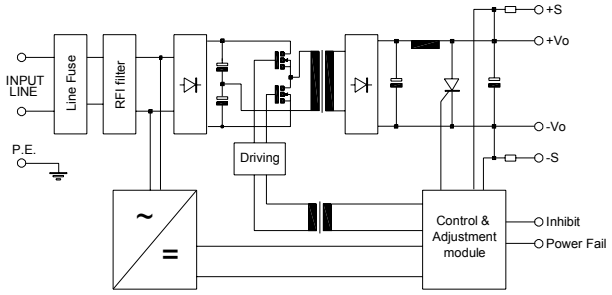
MODEL	Enclosure	Output Power W	Vout Volts	Output voltage adj. Volts	Iout Ampere	Line regulation VIN(min÷max) %	Load regulation (10÷100%) %	Ripple & Noise (0÷30MHz) % Vout
S402	A	400	5	4.5÷5.5	80	±0.1	±0.5	1
S403	A-B	384	12	10.5÷14	32	±0.1	±0.5	1
S404	A-B	390	15	14÷17	26	±0.1	±0.5	1
S406	B	384	24	20÷28	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

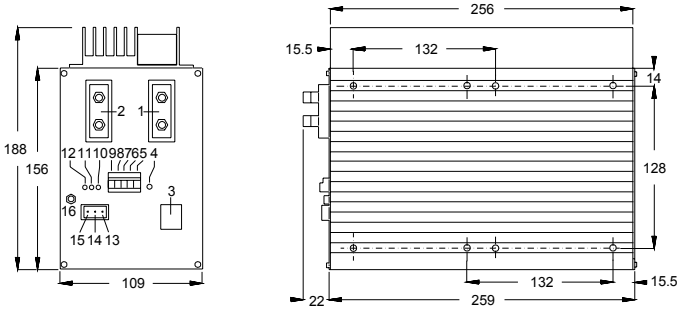


BLOCK DIAGRAM

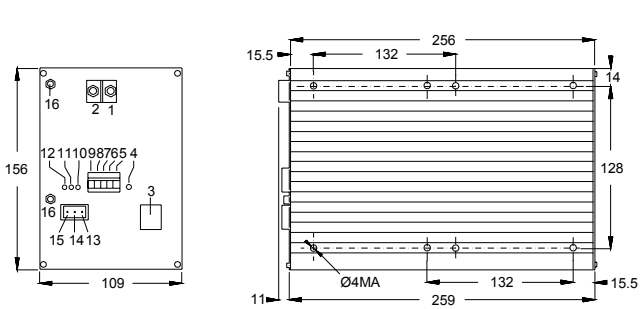


DIMENSIONS AND CONNECTIONS

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.

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