

S200 range

Revision: 11R17.10.02
Sheet: A-200-00

FEATURES

Input voltage

115/230Vac $\pm 15\%$
(jumper selectable on pcb)

Input frequency

50/60Hz

Efficiency

75% typ.

Input protections

- EMI filter
- Line fuses
- Line undervoltage

Leakage current to GND

Max 2mA at 50 Hz

See table for

- Output voltages and currents
- Line and load regulation
- Output ripple

Output protections

- Short circuit protection
- Output overvoltage protection
- Over temperature: shutdown above 95°C

Hold up time

20msec min.

Output power

200÷240W (see table)

Remote sense compensation

- 0.5Vmax

Inhibit input

- TTL/CMOS comp. low active

Operating temperature

0°C to 50°C

Temperature power derating

2%/°C (50÷70°C)

Storage temperature

-25°C to 85°C

Temperature drift

0.01% typ.

Long term stability

Better than 1% after 24 hours

Cooling

Forced ventilation

Control and adjustment

- Vout trimmer adjust. = $\pm 10\%$

Operating indicators

- Green led on : line present

- Yellow led on : over temperature

- Red led on : output voltage out of tolerance and/or one or more protections active

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

2.230g

Optional features

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

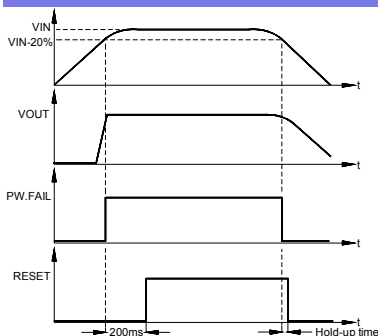
FEATURES TABLE

MODEL	Output Power W	Vout Volts	Iout Ampere	Line regulation VIN(min÷max) %	Load regulation (10÷100%) %	Ripple (0÷20MHz) mV
S202	200	5	40	0.2	0.5	50
S203	240	12	20	0.2	0.5	100
S204	240	15	16	0.2	0.5	100
S206	240	24	10	0.2	0.5	150
S207	216	36	6	0.2	0.5	150
S208	240	48	5	0.2	0.5	150
S209	240	96	2.5	0.2	0.5	250

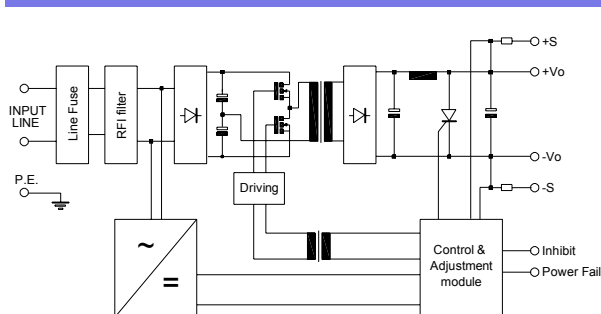
POWER SUPPLY VIEW



PF/RESET SIGNALS



BLOCK DIAGRAM

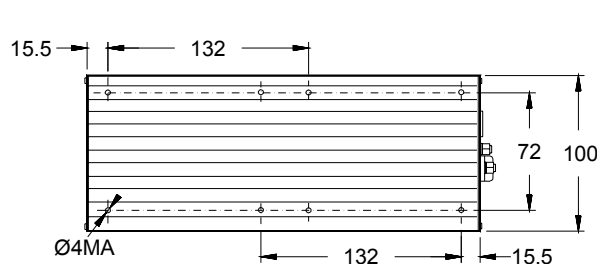
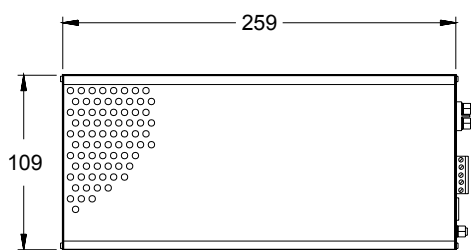
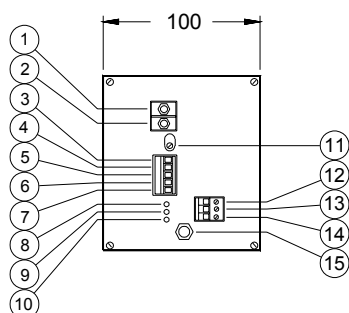


DIMENSIONS AND CONNECTIONS

front view

side view

top view



- 1)Vout+ 2)Vout- 3)sense+ 4)sense- 5)power fail. (option relay N.O.) 6)inhibit 7)reset (option relay COM) 8)protection indicator led
9)over temp indicator led 10)line-on indicator led 11)Vout adjust 12)ACinput 13)n.c. 14)ACinput 15)P.E.(chassis)

AZIENDA CERTIFICATA



Note: all features are subject to change without notice.

Costruzioni Elettroniche Elettromeccaniche & Affini s.r.l. - 10132 TORINO - C.so Casale, 413 - Tel. 0118987106 / 0115534597 - fax 0115534597 - e_mail cea@cea.to - URL http://www.cea.to