

S900 range

Revision: 10R17.10.02
Sheet: A-900-00

FEATURES

Input voltage

90÷260Vac with PFC
115/230Vac ±15%, jumper on pcb

Input frequency

50/60Hz

Efficiency

75÷85% (depending on output voltage)

Switching operating frequency

50KHz typ.

Input protections

- Start-up peak current lim.: 30A at Vin=230Vac
- Fuses on both input lines and EMI filter

Leakage current to GND

Max 2mA at 50Hz

See table for

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

Output protections

- Overload and Short circuit
- Overvoltage : at Vo + 25% typ.
- Over temperature, with thermal sensor

Hold up time

15msec min.

Start up time

60msec typ.

Output power

768÷960W (see table)

Remote sense compensation

- 0.5V max

Output signals

- Alarm relay contact (U.V.P)

Inhibit input

- TTL/CMOS comp. Active low

Operating temperature

0°C to 50°C

Temperature power derating

2%/°C (50÷70°C)

Storage temperature

-20°C to 85°C

Temperature drift

0.01%/°C typ.

Long term stability

Better than 1% after 24 hours

Cooling

Forced ventilation

Operating indicators

- Green led : input voltage
- Yellow led : over temperature
- Red led : power failure

Dielectric withstand voltage

- Input -Output : 3750 Vac (on insul.comp.)
- Input - P.E.: 1750Vac

Isolation

- Output - P.E.: 500Vdc

Comply with

- EN 50081-1, EN 61000-6-2, EN 60950, CE

Weight

6.500g

Optional features

- BAL - Load balance adjust. for parallel connection
- DC - DC input for AC-DC units
- DD - Output decoupl. diode for parallel connection
- PF - Power fail/reset signals
- PROG - Programmable Vout
- PFC - Power factor correction circuit

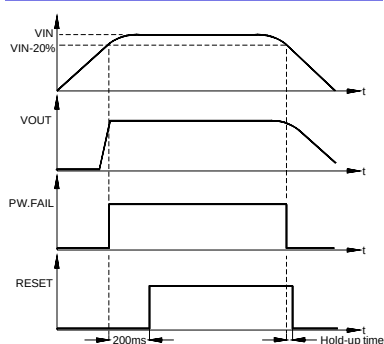
FEATURES TABLE

MODEL	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
S902	800	5	4.5÷5.5	160	±0.1	±0.5	1
S903	768	12	10.5÷14	64	±0.1	±0.5	1
S904	780	15	14÷17	52	±0.1	±0.5	1
S906	768	24	20÷28	32	±0.1	±0.5	1
S907	864	36	31÷42	24	±0.1	±0.5	1
S908	768	48	41÷52	16	±0.1	±0.5	1
S909	960	96	85÷110	10	±0.1	±0.5	1

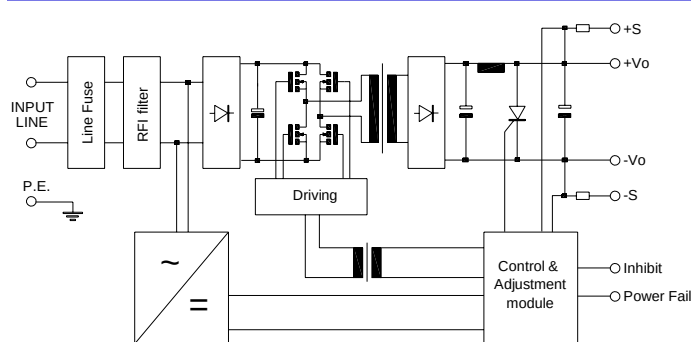
S900 VIEW



PF/RESET SIGNALS

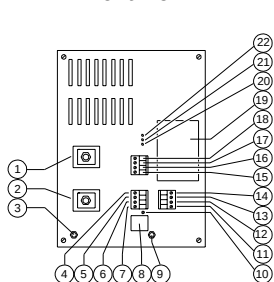


BLOCK DIAGRAM

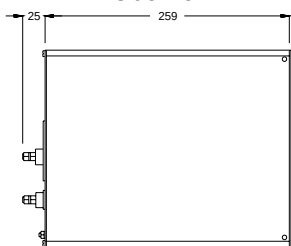


DIMENSIONS AND CONNECTIONS

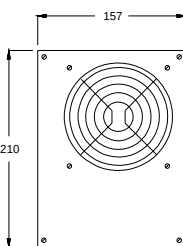
front view



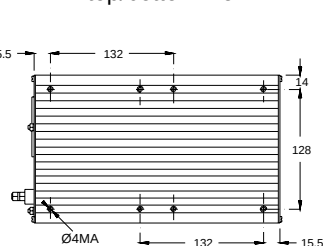
side view



rear view



top/bottom view



- 1)Vout+ 2)Vout- 3)P.E./Chassis 4)Inhibit 5)Sense- 6)Sense+ 7)Spare 8)n.c. 9)P.E./Chassis 10)Vadj. 11)AC input N 12)AC input N 13)AC input L 14)AC input L 15)Relay N.O. 16)Relay Com 17)Relay N.C. 18)Balance sign. 19)Model Label 20)Led input line 21)Led over-temp 22)Led failures