POWER CONTROL SYSTEMS
POWER SUPPLY UNITS

S1000-R S1200-R RANGE

Industrial application - Single output euro-rack AC-DC power supply unit

FEATURES

Input voltage
90÷264Vac
Input frequency
50/60Hz
Efficiency
75÷85% typ.(depending on output voltage)
Switching operating frequency
100kHz ca.
Power factor
>0.98 typ.
Input protections
• Start-up peak current limit. (30A 5msec typ.)
• Fuses on both input lines and EMI filter
Leakage current to GND
Max 1.5mA at 50Hz
See table for
• Output voltages and currents
• Line and load regulation
• Output ripple and noise
Output protections
• Overload
• Short circuit
• Overvoltage : at Vo + 25% typ.
• Over temperature, with thermal sensor

Hold up time
40msec (90÷264Vin)
Start up time
60msec typ.
Output power
1000/1200W typ. at 65°C
Remote sense compensation
0.5V max
Inhibit input
• TTL/CMOS comp. low active
Control and adjustment
• Vadjust trimmer on front panel
Test points
Vout test point on front panel
Operating indicators
• Led Line OK
• Led Vout OK
Operating temperature
0°C to 65°C
Storage temperature
-20°C to 85°C
Temperature drift
0.01% typ.

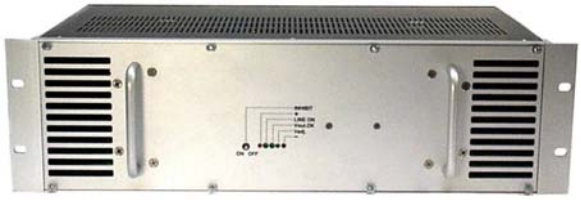
Long term stability
Better than 1% after 24 hours
Cooling
Forced ventilation
Dielectric withstand voltage
• Input / P.E.: 2500Vac
Isolation
• Output / P.E.: 2000Vac
Comply with
• EN 50081-1
• EN 61000-6-2
• EN 60950-1
• EN 61000-3-2 Cl.A
• CE
Weight
11000 g
Other features
• Automatic load sharing control
• Alarm: relay contact (isol. 2000V)
Optional features
• DD - Output decoupl. diode for parallel connection

FEATURES TABLE

MODEL	Vout nom. Volts	Iout Ampere	Line regulation VIN(min÷max) %	Load regulation (10÷100%) %	Ripple & Noise (0÷30MHz) % Vout
S1003-R	12	80	±0.1	±0.5	1
S1004-R	15	65	±0.1	±0.5	1
S1006-R	24	40	±0.1	±0.5	1
S1008-R	48	20	±0.1	±0.5	1
S1009-R	96	10	±0.1	±0.5	1

MODEL	Vout nom. Volts	Iout Ampere	Line regulation VIN(min÷max) %	Load regulation (10÷100%) %	Ripple & Noise (0÷30MHz) % Vout
S1203-R	12	100	±0.1	±0.5	1
S1204-R	15	80	±0.1	±0.5	1
S1206-R	24	50	±0.1	±0.5	1
S1208-R	48	25	±0.1	±0.5	1
S1209-R	96	12	±0.1	±0.5	1

POWER SUPPLY VIEW



DIMENSIONS AND CONNECTIONS