

## FEATURES

### Input voltage

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

### Input frequency

50/60Hz

### Efficiency

75% typ.

### Switching operating frequency

50KHz ca.

### Input protections

- Inrush current limitation : 30A at Vin=220Vac
- EMI filter
- Line fuse

### 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 protection
- Short circuit protection
- Overvoltage: at Vo + 25% typ.

### Hold up time

15msec min.

### Start up time

60msec typ.

### Output power

200÷240W (see table)

### Remote sense compensation

0.5V max

### Output signals

- Alarm relay contact (U.V.P)

### Inhibit input

- TTL/CMOS comp. low active

### Control and adjustment

- Vadjust trimmer on front panel

### Test points

Output voltage test-points  
Balance signal test-point (opt.)

### Operating indicators

- Led Vout OK on front panel

### 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

### Cooling

Natural convection

### Dielectric withstand voltage

- Input - P.E.: 1750Vac

### Isolation

- Output - P.E.: 500Vdc

### Comply with

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

### Weight

1660g

### Optional features

- AL - Alarm relay contact
- 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

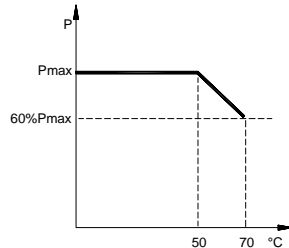
## FEATURES TABLE

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
S212R	200	5	4.5÷5.5	40	$\pm 0.1$	$\pm 0.5$	1
S213R	216	12	10.5÷14	18	$\pm 0.1$	$\pm 0.5$	1
S214R	240	15	14÷17	16	$\pm 0.1$	$\pm 0.5$	1
S216R	240	24	20÷28	10	$\pm 0.1$	$\pm 0.5$	1
S217R	240	36	31÷42	6	$\pm 0.1$	$\pm 0.5$	1
S218R	240	48	41÷52	5	$\pm 0.1$	$\pm 0.5$	1
S219R	240	96	85÷110	2.5	$\pm 0.1$	$\pm 0.5$	1

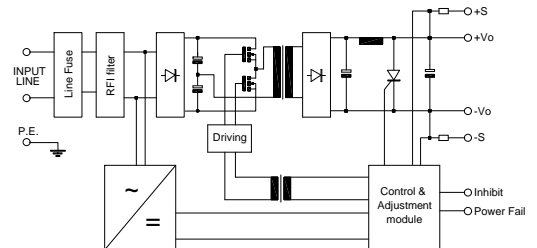
## POWER SUPPLY VIEW



## TEMP. POWER DERATING



## BLOCK DIAGRAM



## DIMENSIONS AND CONNECTIONS

