

## FEATURES

### Input voltage

115/230Vac  $\pm 15\%$   
( 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

### 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

### 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

### Dielectric withstand voltage

- Input - Output : 3750Vac (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

1660g

### 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

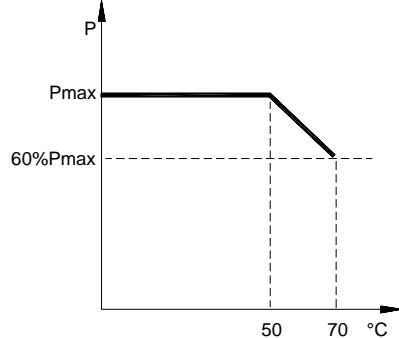
## FEATURES TABLE

| 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                               |

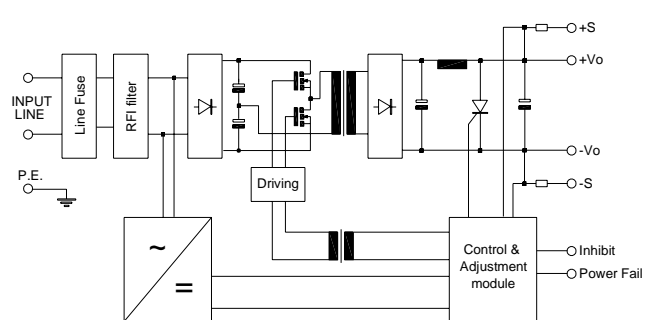
### S210-R VIEW



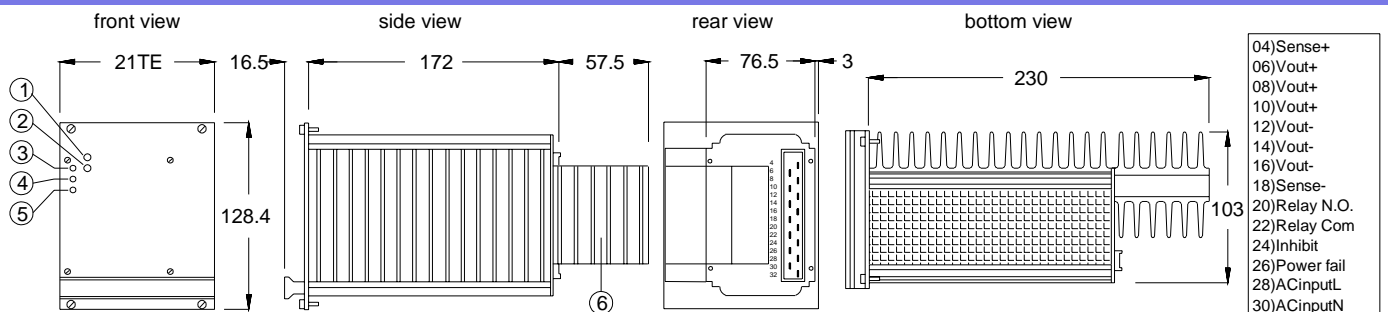
### TEMP. POWER DERATING



### BLOCK DIAGRAM



## DIMENSIONS AND CONNECTIONS



1) Vout adjustment 2) Led Vout-ok 3) Test point+ 4) Test point- 5) Balance signal(opt.) 6) External heatsink only if Output series diode option (DD) is required

Note: all features are subject to change without notice.