



Optional internal V/I meter shown



Z367

♦ 24 Month Warranty

- Isolated input to output
- Designed & built to industrial standards
- Standalone - bench top or fixed mounting, optional rack mount (2U x 19")
- Front panel controls & indication
- Conservative design for long life
- Precise voltage control
- Optional relay alarm outputs
- Optional communications port: RS232, RS485 or Ethernet, protocols available: Modbus, SNMP or ASCII code

**SPECIFICATIONS** All specifications are typical at nominal input, full load and at 20°C unless otherwise stated.

**ELECTRICAL**

<b>Input</b>	88 - 135VDC
<b>Fusing</b>	Input fuse
<b>Overload protection</b>	Primary current limit, external output fuse must be fitted for short circuit protection
<b>Isolation</b>	1KV DC input - output / earth
<b>Output over voltage</b>	Output limited to 130% Vnom.
<b>Efficiency</b>	≥ 85%
<b>Inrush current</b>	Soft start circuit
<b>Output power</b>	500W
<b>Output voltage</b>	13.8,24,30,36,48,96,108,120VDC
<b>Line regulation</b>	<0.2% over input range
<b>Load regulation</b>	<0.4% open circuit to 100% load
<b>Noise</b>	<1%
<b>Drift</b>	0.03% / °C
<b>Hold-up time</b>	15 - 20 ms
<b>Thermal protection</b>	Yes, self resetting

**STANDARDS**

<b>EMI</b>	To CISPR 22 / EN55022 class A, C-tick
<b>Safety</b>	To IEC950 / EN60950 / AS/NZS3260

**ENVIRONMENTAL**

<b>Operating temperature</b>	0 to + 50 °C ambient at full load De-rate linearly >50 °C to no load @ 70 °C
<b>Storage temperature</b>	-10 to 85 °C ambient
<b>Humidity</b>	0 - 95% relative humidity non-condensing
<b>Cooling</b>	Fan cooled

**PHYSICAL**

<b>Input connector</b>	Screw terminals
<b>Output connector</b>	M8 brass stud or plug in/screw terminal block
<b>Alarm connectors (opt)</b>	Plug-in screw terminal block
<b>Enclosure</b>	Powder coated steel
<b>Dimensions</b>	225W x 70H x 304D mm (excl. terminals)
<b>Weight</b>	4.3 Kg
<b>Indication LEDs</b>	<b>Standard:</b> Power OK, Standby <b>With alarms:</b> DC OK, Power OK, Standby
<b>Standby switch</b>	Turns off DC output

**OPTIONS**

<b>Alarms - SR500D..</b>	<ul style="list-style-type: none"> <li>• <b>Input fail</b> (or converter in standby mode)</li> <li>• <b>DC low</b> (set at 83% V out)</li> </ul>
<b>- SR500L..</b>	As SR500D.. + DC HIGH alarm
	<ul style="list-style-type: none"> <li>• <b>Earth fault</b> using external alarm card</li> </ul>
<b>Alarm contacts</b>	C - NO - NC changeover rated 1A /50V DC, 32VAC
<b>Communications Port</b>	Choice of RS485, RS232, ethernet (SNMP or ASCII) Available only on SR500L... models
<b>Internal V/I meter</b>	Add code: +INT-METER
<b>Output fuse</b>	Fitted on rear panel

**ACCESSORIES SUPPLIED**

Mounting feet together with screws  
Mating screw-terminal plug for alarm outputs  
Crimp lugs for stud terminal versions  
DC screw terminal plug-in connector for 'X' version