



Optional internal V/I
meter shown

- 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

◆ 24 Month Warranty

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

ELECTRICAL

Input	110VDC (99-150VDC)
Fusing	Internal input fuse
Overload protection	Primary current limit, external output fuse must be fitted for short circuit protection
Isolation	1KV DC input - output / earth
Output over voltage	Output limited to 130% Vnom.
Efficiency	≥ 85%
Inrush current	Soft start circuit
Output power	500W
Output voltage	Refer to model table
Line regulation	<0.2% over AC input range
Load regulation	<0.4% open circuit to 100% load
Noise	<1%
Drift	0.03% / °C
Hold-up time	15 - 20 ms
Thermal protection	Yes, self resetting

PHYSICAL

AC input connector	IEC320 inlet socket
DC connections	M8 brass stud or plug in/screw terminal block
Alarm connections	Plug-in screw terminal block
Enclosure	Powder coated steel
Dimensions	225W x 70H x 304D mm (excl. terminals)
Weight	4.3 Kg
Indication LEDs	Standard: Power OK, Standby With alarms: DC OK, Power OK, Standby
Standby switch	Turns off DC output

ENVIRONMENTAL

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

STANDARDS

EMI	To CISPR 22 / EN55022 class A
Safety	To IEC950 / EN60950 / AS/NZS3260

ACCESSORIES SUPPLIED

Mounting feet together with screws
AC power cord 1.5m with IEC320 socket and NZ/Aust plug
Mating screw-terminal plug for alarm outputs
Crimp lugs for stud terminal versions
DC screw terminal plug-in connector for 'X' version

500 Watt DC/DC Converter

SR500A

incl. SR500D, SR500L

STANDARD MODEL TABLE

MODELS	Output Volts (V)	Output Current (A)	Adjustable range (V)
SR500A12	12	36.2	11-14
SR500A24	24	20.8	22- 29
SR500A30	30	16.6	28-36
SR500A36	36	13.8	34-43
SR500A48	48	10.4	45-57
SR500A91	96	5.2	90-115
SR500A92	108	4.6	100-130
SR500A93	120	4.1	110-145



Rear view of SR500D... or SR500L... with alarm contacts

OPTIONS

Alarms - SR500D..	<ul style="list-style-type: none"> • Input fail (or converter in standby mode) • DC low (set at 83% V out)
- SR500L..	As SR500D.. + extra DC alarm
Alarm contacts	C - NO - NC changeover rated 1A /50V DC, 32VAC
Earth fault alarm (external to converter)	Detects leakage to earth of DC output and provides relay contact output Code: +ALARM/EFDM (20-60V) +ALARM/EFDH (61-150V)
Communications Port	Choice of RS485, RS232, ethernet (SNMP or ASCII) Available only on SR500L... models
Internal V/I meter	Add code: +INT-METER

MOUNTING OPTIONS

19" rack mount	2U sub rack available, Code: SR-RM2U Optional V/I meter, Code: SR-METER
Wall mount enclosure	PSU may be fitted into a security enclosure with MCBs and terminals. Code: SEC-SR

MODEL IDENTIFICATION CODES

SR500A 12 F S H-LAN

