



Optional internal V/I
meter shown

*Ideal as a Standby Float Charger
for lead acid batteries*

- Industrial quality AC/DC power supply
- Standalone - bench top or fixed mounting
- Front panel controls & indication
- Suitable for float charging of lead acid batteries
- Suitable for parallel operation
- Conservative design for long life
- Precise voltage and current control
- Optional temperature compensation for charging
- Optional relay alarm outputs
- Optional DC input
- Optional communications port: RS232, RS485 or ethernet
- Optional 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 - standard - option	230VAC (180 - 264), 45-65Hz 110VAC (88 - 132), 45-65Hz
Fusing	Internal input fuse
Overload protection	Constant current limit under overload and short circuit conditions (except DC input versions which have primary current limit)
Isolation	1KV DC input - output / earth
Over voltage protection	130% of nominal output voltage
Efficiency	≥ 85%
Inrush current	Soft start circuit
Output power	750W
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 without battery
Thermal protection	Yes, self resetting
Parallel operation	Yes
- higher power	Addition of external output diodes optional
- N+1 redundancy	Use SR750D... with external output diodes

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 of PSU

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	

750 Watt AC/DC Stand Alone Power Supply/Float Charger

SR750A

incl. SR750D, SR750L

STANDARD MODEL TABLE

MODELS	Power Supply		Battery Charger		Adjustable range (V)
	Output Volts (factory default)	Output Current (A) (continuous)	Output Volts* (Charging)	Output Current (A) (Charging)	
SR750A12	13.8	54 (54 @ 11-14V)	13.8	54	11-14
SR750A24	24	31.2	27.6	27	22- 29
SR750A30	30	25	34.5	21.7	28-36
SR750A36	36	20.8	41.4	18	34-43
SR750A48	48	15.6	55.2	13.6	45-57
SR750A91	96	7.8	110	6.8	90-115
SR750A92	108	6.9	124	6.0	100-130
SR750A93	120	6.2	138	5.4	110-145

* Please specify on ordering that unit is to be used for float charging (except for 12V model which is set at 13.8V by default).



Rear view of SR750D...or SR750L... with alarm contacts and no communication port option

OPTIONS

Temperature compensation for charging	Temperature sensor on 1.7m lead with adhesive pad: -4mV / °C / cell ±10% Order Code: +TEMPCO
Alarms - SR750D..	<ul style="list-style-type: none"> Mains fail (or PSU in standby mode) DC low (Battery low or PSU low) <ul style="list-style-type: none"> - Charger: set at 1.83V/cell - PSU: set at 83% V out
- SR750L..	<ul style="list-style-type: none"> As SR750D.. + DC high alarm (NB: no alarm relay fitted on HV versions, only LED indication)
Alarm contacts	C - NO - NC changeover rated 1A /50V DC, 32VAC
DC Input	110VDC (99-150) or 220VDC (180-270) Please note that an external fuse or MCB must be fitted on the output for short circuit protection.
Earth fault alarm (external to PSU))	Detects leakage to earth of DC output and provides relay output Code: +ALARM/EFDM (20-60V) +ALARM/EFDH (61-150V)

OPTIONS (continued)

Communications port	Choice of RS485, RS232, ethernet (SNMP or ASCII) Available on SR750L... 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 enclosure with MCBs and terminals. Code: SEC-SR

MODEL IDENTIFICATION CODES

SR750A 12 T F S L-LAN

