



SR250L/LP shown



Z367

◆ 24 Month Warranty

- Isolated input to output
- LED indication and standby (off) button
- Optional communication port
- Option of RS232, RS485, Ethernet
- Option of ASCII, Modbus, SNMP
- Three relay alarm outputs
- Industrial quality AC/DC power supply
- Suitable for float charging of lead acid batteries
- Constant current limit
- Precise voltage control
- Temperature compensated output (optional)
- Suitable for parallel operation
- ISO9001 design management system

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

ELECTRICAL	
Input - standard	180-264 or 88-132V, 45-65Hz (internal link select)
- option	88 - 135VDC
Fusing	Input fuse
Overcurrent protection	Constant current limit under overload and short circuit conditions
OVP	Over-voltage protection on output at ~ 130% of nominal output voltage
Thermal protection	Yes, self resetting
Isolation	1KV DC input - output / earth
Efficiency	≥ 85%
Inrush current	Soft start circuit
Output power	250W
Output voltages	Refer to model table
Voltage adj. range	85 - 115% of Vout
Line regulation	<0.2% over 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

PHYSICAL	
AC input connector	IEC320 socket
DC Connections	M6 brass studs or plug-in socket with screw terminals
Enclosure	Zinc plated steel /powder coated lid
Dimensions	150W x 61H x 242D (excl. terminals)
Weight	1.7 Kg
Indication LEDs	Standard: Power OK, Standby With alarms: DC OK, Power OK, Standby
Alarm relay contacts	C - NO - NC changeover rated 1A /50V DC, 32VAC
Standby Mode	Turns off DC output of PSU

ENVIRONMENTAL	
Operating temperature	0 - 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	24V & above: convection 12V: 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	

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

SR250A

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)	
SR250A7.5	7.5	20	6.9	20 (140W)	6.8-8
SR250A12	13.8	18.1	13.8	18.1	11-14
SR250A24	24	10.4	27.6	9.0	22-28
SR250A30	30	8.3	34.5	7.2	28-36
SR250A36	36	6.9	41.4	6.0	34-43
SR250A48	48	5.2	55.2	4.5	45-57
SR250A60	60	4.1	69.0	3.6	54-69

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

OPTIONS	
Temperature compensated charging	-4mV / °C / cell , sensor lead length 1.7m Order Code: +TEMPCO
Alarms:	<ul style="list-style-type: none"> • Mains fail (or PSU in standby mode) • DC low (Battery low or PSU low) - set at 92% of nominal voltage. Special version available: Battery low alarm operates when mains power is on, order code: SFMCCT-OA v1.1 • DC high
Alarm Relay Contacts	C - NO - NC full changeover rated 1A /50V DC, 32VAC
Internal output diode (SR250LP..)	Incl. alarms & output diode for N+1 redundancy, internal diode not available for 12V models.
Earth Fault Alarm	Using an external alarm card (see separate data sheet)

OPTIONS (cont.)	
Communication port	Choice of RS485, RS232, Ethernet Note: Requires external battery for communications to continue working when there is a loss of input power.
Protocols	<ul style="list-style-type: none"> • SNMP v1 • Modbus (external converter) Serial: +PROTOCONMB TCP & HTTP: +PROTOCONMB-OE
Digital V/I meter	May be fitted with SR250 in 19" rack, add: SR-METER or SR-METERV2/SHUNT
19"rack mount	Single charger add: SR-RM2U Dual charger (front removable) add: SR-RM2U-DUALV2
Wall Mount Enclosure	Charger may be fitted into enclosure with MCBs and terminals. Code: SEC-SR

MODEL IDENTIFICATION CODES

SR250L12 T F S L-485

Optional communication port: **485** = RS485, **LAN +** = Ethernet (SNMP), **232** = RS232, **LAN** = Ethernet (ASCII)

Input voltage and front panel standby switch:
L = 230V AC + switch, **U** = 110V AC + switch, **H** = 110V DC + switch
 Blank = 230V AC no switch, **G** = 110V AC no switch, **J** = 110V DC no switch

Output DC Connector type: **S** = Stud, **X** = Plug in /screw terminal block

Fan cooled: **F** = Fan, Blank = No fan

Temperature Compensation: **T** = Yes, Blank = No

DC output: Nominal voltage: **12, 24, 30, 36, 48, 60**

Function:
A = Basic version
D = with mains fail and dc low alarms
L = with mains fail, dc low, dc high alarms
P = with output diode (24V & above) and "D" alarms
LP = with output diode (24V & above) and "L" alarms

Power: **250W**