



3 Relay Alarms



Float Charger

SR250HL Series 250W Power Supply/Float Charger



APPLICATIONS

- Security - Access Control
- Industrial Processes
- Switching Protection
- SCADA
- Radio Repeaters - Remote Sites

SERIES TABLE

POINTS OF DIFFERENCE

- Ideal as a standby float charging of lead acid batteries
- Constant current limit and precise voltage control
- Optional temperature compensation
- Efficient modern "current mode"
- Relay Alarms Output
- Suitable for parallel operation and N+1 redundancy
- Rugged design and construction for long life and challenging environments
- Convection cooled, except for 12VDC models.

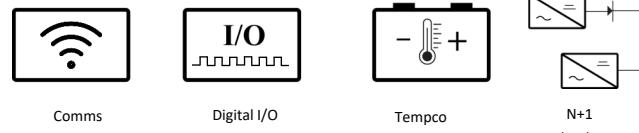
MODELS	Power Supply		Battery Charger*		Adjustable range (V)
	Output Volts (factory)	Output Current (A) (continuous)	Output Volts* (Charging)	Output Current (A) (Charging)	
SR250HL12	13.8	18.1	13.8	18.1	11-14
SR250HL24	24	10.4	27.6	9	22-28
SR250HL30	30	8.3	34.5	7.2	27-35
SR250HL36	36	6.9	41.4	6.0	34-43
SR250HL48	48	5.2	55.2	4.5	45-57
SR250HL60	60	4.1	69.0	3.6	54-70

GENERAL SPECIFICATIONS

Output power	250W (0-50°C)
Input Voltage	180V - 264VAC 45-65Hz 88V - 132VAC 45-65Hz (optional)
Output Voltages	7.5V, 13.8V, 24, 30V, 36V, 48 V Other voltages by request
Voltage Adj. Range	85% - 120% of Vnominal
Overcurrent protection	Constant current limit under overload and short circuit conditions
Isolation	Input – earth – 2.5KVdc Output – earth - 500Vdc
Efficiency	> 85%
Inrush Current	< 30A , 1.8ms
Operating temperature	-20 to 50 °C ambient at full load
Humidity	0 - 95% relative humidity non - condensing
Cooling	Natural convection except for 12V
LED Indication	Green: DC OK Green: Power OK Red: Standby
Alarms Relay	Form C contacts changeover, rated 30VDC,2A/110VDC,0.3A/125VAC,0.5A DC High POWER (mains fail, PSU fail) DC Low
Line Regulation	<0.04% over input range
Load Regulation	<0.5% open circuit to 100% load
Noise	<0.3%
Transient response	200mV over/undershoot, Load step 20-100%, 400us settling time
Hold-up time	15-20 ms (nom-max. Vin) without battery

*Please specify on ordering if unit is to be used for battery charging duty (except for 12VDC version which is set for 13.8VDC as standard)

OPTIONAL FEATURES



Comms

Digital I/O

Tempco

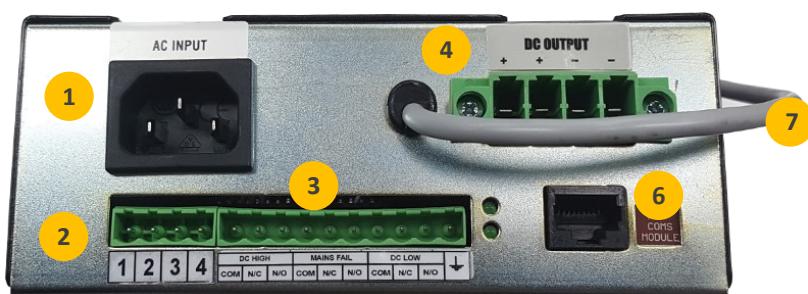
N+1 Redundancy

Optional DC Input Voltage	88-135VDC
Communication Port	<ul style="list-style-type: none"> • RS232 (ASCII) • RS485 (ASCII) • Modbus RTU • SNMP V1, Webpages
Digital Inputs/Outputs	Digital Input (pins 1,2) / Input or Output (pin 3) / Return (pin 4)
Temp. Compensation	Temperature sensor on 1.7m lead with adhesive pad: -4mV / °C / cell ±10%
Mounting	<ul style="list-style-type: none"> • 19"Rack Mount - Optional V/I meter for subrack : SR-Meter • Wall Mount Cabinet
N+1 Redundancy	Output diodes can be fitted
Boost Charge	Customizable feature on request
Conformal Coating	For harsh environments

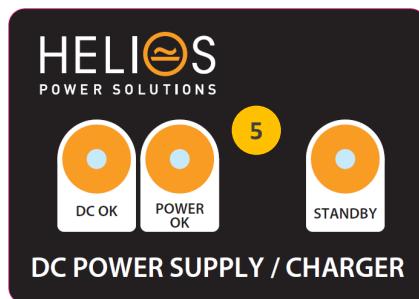
STANDARDS

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

BACK PANEL



FRONT PANEL



1. AC INPUT IEC60320—C13
2. Digital Inputs (pins 1,2)/ Input or Output (pin 3)/ Return (pin 4)
3. Alarm Relay Form C (DC High , Power OK, DC Low)
4. DC Outputs
5. LED indications DC OK and Power OK & Standby
6. Comms Port (optional)
7. Tempco Sensor 1.8m (optional)

PHYSICAL

AC input connector	IEC60320— C13 10A input socket (similar to PCs etc)
DC Connections	Plug-in style socket & mating screw terminal block: (max. wire 2.5mm ² / way) or M6 brass stud
Alarm connections	Plug in screw terminal block
Enclosure	Zinc plated & powder coated steel
Dimensions	150W x 242D x 61H (± 1mm)
Weight	1.8 Kg

ACCESSORIES SUPPLIED

Mounting feet together with screws
AC power cord 1.5 m with IEC60320 socket & AUS/NZ plug
Mating screw terminal plug for DC output
Mating screw terminal plug for alarms

MODEL CODING AND SELECTION CHART

SR250HL12 T F X L P U - 485+

Optional Interface Port
485 = RS485 232 = RS232 LAN+=SNMP-Webpages 485+=Modbus RTU

