



Float Charger for lead acid batteries

◆ 24 Month Warranty

- Industrial quality AC/DC float charger
- No risk of overcharging expensive batteries
- Proven high reliability and long life
- Short circuit protected
- Fuse for reverse polarity protection
- Convection cooled
- Design features aimed at increasing reliability:
 - ◇ Double sided PCB construction
 - ◇ Extra ventilated case
 - ◇ High temperature rated components
 - ◇ Efficient heat sinking of power components
- Accurate voltage control
- Efficient switch mode design
- Standalone - bench top or fixed mounting
- ISO9001 design management system

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

ELECTRICAL	
Input Voltages	
▪ standard	180 - 264V, 45-65Hz
▪ optional	88 - 132V, 45-65Hz (internal link select)
Fusing	Internal input fuse, output fuse
Overcurrent Protection	Constant current limit under overload and short circuit conditions
Reverse battery connection protection	Fuse, accessible on front panel
Isolation	1KV DC input - output / earth
Efficiency	≥ 85%
Inrush current	Soft start circuit
Output Power	250W
Line Regulation	<0.2% over AC input range
Load Regulation	<0.4% open circuit to 100% load
Thermal Protection	Yes
OVP	130% of nominal output voltage

PHYSICAL	
AC Input connector	IEC320 socket
DC Connections	Plug-in socket with screw terminals
Enclosure	Zinc plated steel base/ powder coated lid
Dimensions	150W x 61H x 242D (excl. terminals)
Weight	1.7 Kg
Indication LED	Green : Power On

ENVIRONMENTAL	
Operating temperature	12V: 0 to + 35°C ambient 24V: 0 to + 50°C ambient
Storage temperature	-10 to 85 °C ambient
Humidity	0 - 95% relative humidity non-condensing
Cooling	Convection cooled

ACCESSORIES SUPPLIED	
Mounting feet together with screws	
AC power cord 1.5m with IEC320 socket and NZ/Aust plug	
DC screw terminal plug-in connector	

STANDARD MODEL TABLE		
MODEL CODE	Output Voltage	Output Current
SR250K12X	13.8V	18A
SR250K24X	27.6V	9A

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