



# Neutron Power 12V 10AMP Lead Acid Charger NPCHGR10AMPSLA



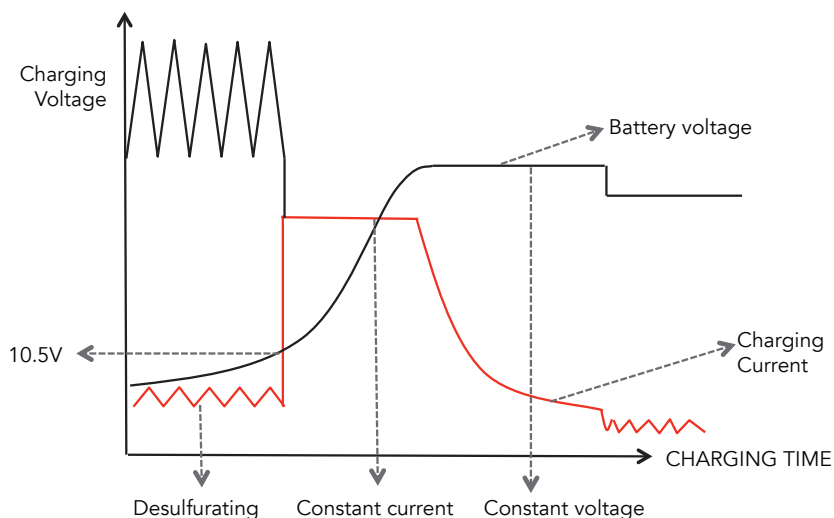
## FEATURES

- AC cord, C13 inlet and AC100-240V input for worldwide use
- Ideal for charging all SLA/VRLA/GEL/AGM Lead acid batteries
- Fully automatic MCU controlled 4 stage charging process
- 4 green LED indicators for battery charging
- Red LED for power
- Outputs constant current for faster charging
- Protects: Short circuit/OVP/OCP/Overload/Polarity reversed
- 100% full load and burn-in test
- High efficiency, long life and high reliability
- 2 year warranty

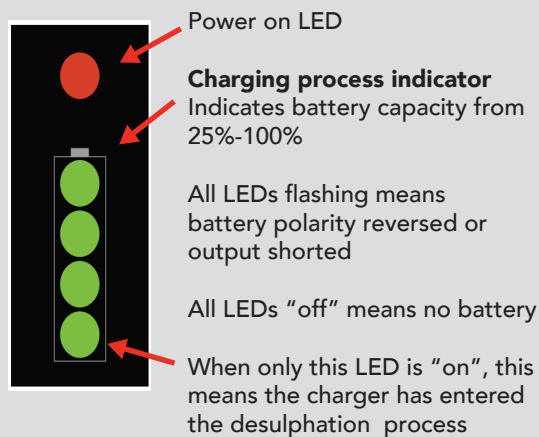
## APPLICATIONS

- SLA/VRLA/GEL/AGM 12V 20~100Ah
- E-bike, motorcycle, electrical vehicle, electric tools, emergency light, R/C toys, portable electronic devices, field detection instrument, communication equipment

## CHARGING CURVES



## DISPLAY PANEL



MODEL		NPCHGR10AMPSLA
OUTPUT	DC Voltage	13.8V
	Rated Current	8A/10A(Max)
	Rated Power	116W/145W
	Voltage Range	12 - 15V
	Current Range	±0.5A
	Voltage Tolerance	±1%
	Line Regulation	±0.5%
INPUT	Voltage Range	100 - 240VAC
	Frequency Range	47 - 63Hz
	Efficiency	80%
	AC Current	2.0A/115VAC 1.0A/230VAC Fuse=3A
FUNCTION	Charging Process	Ud-Im-Uo-Up
	Charging Mode	Fully automatic/4 stages
	Floating Charge Condition	<1A
	Charging Indicator	4 Green LED:25 - 100% Flash+Fault
	Suit Battery	12V 20 - 100AH
	Charging Time	3 - 12H
PROTECTION	Over Voltage	15V(Limited)
	Over Load	110 - 140% rated output power
	Output Shorted	Green LED Flash/Hiccup mode - recovers automatically after fault condition is removed
	Polarity Reversed	
ENVIRONMENT	Working Temp	-10 - +50°
	Working Humidity	20-90% RH non-condensing
	Storage Temp Humidity	-10 - +50°C 20-90%
	Cooling	Fan Cooling
	Water Proof	IP20
	Impact	1 Metre drop test> =3times
SAFETY	Safety Standards	EN60950-1, EN55022, EN6900
	MTBF	30000 Hrs MIL-HDBK-217F
	ESD	8KV
	Isolation Resistance	i/p to o/p: 3000V (1min.)
	Max. Temp Rise	<40°C on casing
MECHANICAL	Weight	450g
	Size	160*95*55MM
	Case	Aluminium



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