



Feature:

- Charger for lead-acid batteries (Flooded, Gel, and AGM) and Li-Ion batteries (lithium iron, lithium manganese and lithium nickel cobalt manganese) (Note. 1)
- multi-stages smart charging characteristic
- AC voltage range 180~264VAC or 90~132VAC or AC input range selected by switch
- Protections: Short circuit /Overload /Over voltage /Low voltage /Over temperature /Over current /Reverse polarity /Timing /Fully charged shut down /No leaking current drain out of the battery
- High efficiency, Maximum efficiency can be up to 92%
- Class I power
- Fan cooling with anti-dust mesh
- 2 color LED loading indicator
- Embed MCU intelligent control, RS485 and CAN2.0B communication for option, OLED display for option, it shows voltage, current, time and SOC percent
- No spark DC plug design when the DC connector plugs into or unplugs from the battery
- No spark design when short circuit protection
- Active zero voltage battery charge input port

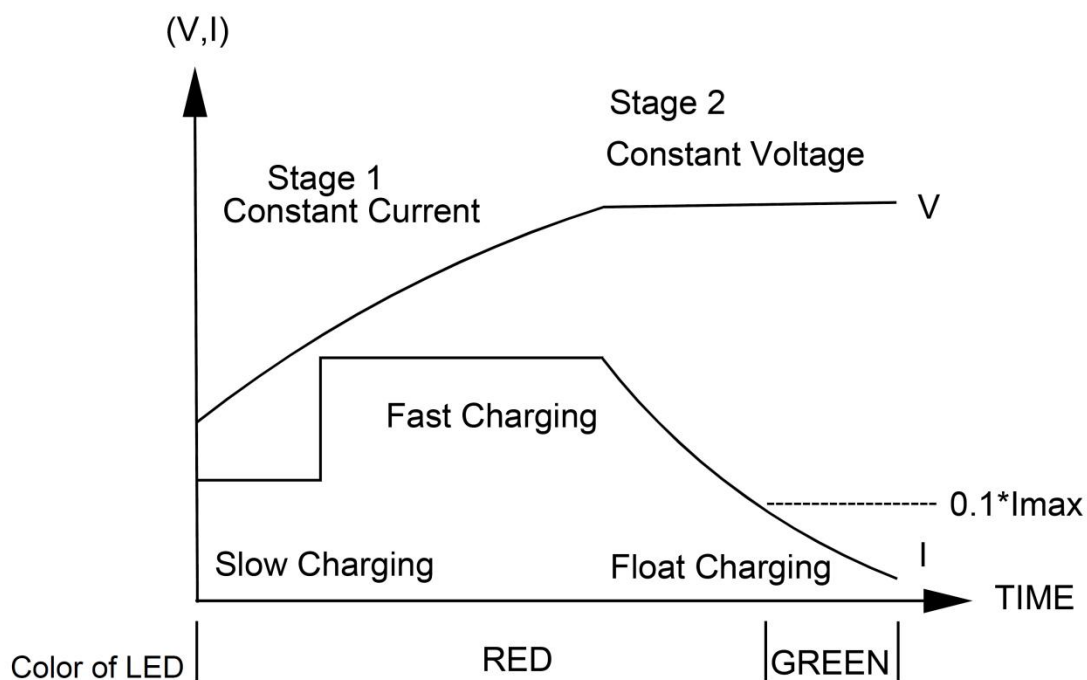
Output	DC voltage	14.6~16.8V	29.2~29.4V	42V	54.6~58.8V	67.2~71.4V	84V
	Rated Current (220VAC)	10A	10A	7A	5A	4A	3.5A
	Rated Current (110VAC)	10A	10A	7A	5A	4A	3.5A
	Rated Power	168W	294W	294W	294W	285.6W	294W
	LED Indicator	CC and CV Charging current>Rated current*10%: RED; CV charging current <=Rated current*10%:GREEN					



Input	Voltage Range	180VAC~264VAC or 90~132VAC or Selected by switch
	Frequency Range	47~63HZ
	Power Factor	0.65 at 230VAC
	Efficiency	92%
	AC Current	3A/220VAC
	Inrush Current	Cold Start<60A
	Leakage Current	<3.5ma/240VAC
Protection	Short Circuit	RED LED Fast Flashing and shut down output voltage;
	Reverse Polarity	Recovers automatically after fault condition is removed.
	Low Voltage	
	Over Current	Shun down output voltage, re-power on to recover.
	Over Voltage	
	Over Load	
	Over Temperature	85°C±10°C(RTH2),Automatically derate charge current to half maximum rated current.
Interface	RS485, CAN2.0B	For option, customized
	OLED Display	For option, voltage, current, charging time, SOC percent
	UART	Baud rate:9600bps, 8 data bits, no parity, 1 Stop Bit
Environment	Working Temp.	-30°C~+60°C
	Working Humidity	20~90% TH non-condensing
	Storage Temp.	-40°C~+85°C, 10~95% TH
	Humidity	
Safety & EMC	Safety Standards	
	Withstand Voltage	I/P-O/P:1.8KVAC, I/P-FG:1.8KVAC, O/P-FG:0.5KVAC
	Isolation Resistance	I/P-O/P, I/P-FG, O/P-FG: 100M Ohms/500VDC/25 °C/70% RH
	EMC Emission	
	EMC Immunity	
Others	Dimension	135*90*50(L*W*H)
	Packing	Kg; pcs/ Kg/ CUFT
Note	<p>1. Modification for charger specification may be required for different battery specification. Please contact battery vendor and ELECTRONY for detail.</p> <p>2. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25 ° C ambient temperature.</p> <p>3. Product Liability Disclaimer: For detail information please refer to http://electrony.cn/product-liability-disclaimer/</p>	



● Charging Curve



Note: This charging curve is for Li-Ion battery.

● Pin Assignment

Standard Female Plug (power supply side): IEC320-C13

IEC320-C13		
	PIN	OUTPUT
	N	+V
	L	-V

-V connected to AC FG