



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
- 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 93%
- Class I power (with earth pin)
- Waterproof Fanless design, cooling by free air convection
- IP Rating: IP67
- 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

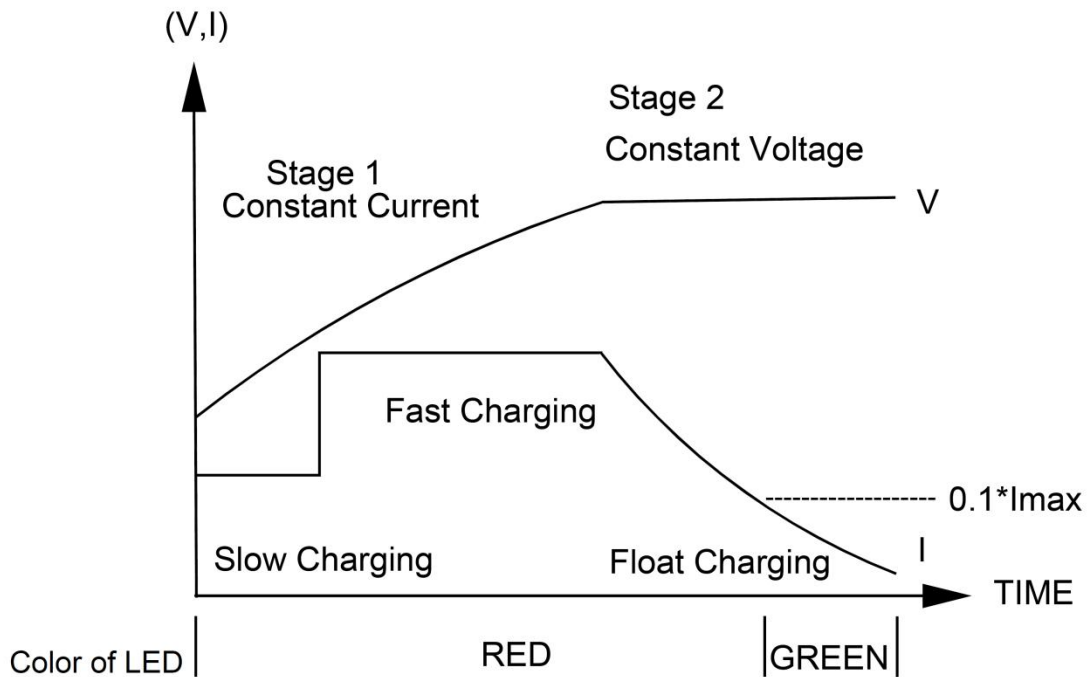
Output	DC voltage	14.6~16.8V	29.2~29.4V	42V	54.6~58.8V	67.2~71.4V	84V
	Rated Current (220VAC)	20A	15A	10A	7.5A	6A	5A
	Rated Current (110VAC)	20A	15A	10A	7.5A	6A	5A
	Rated Power	336W	441W	420W	441W	428.4W	420W
	LED Indicator	CC and CV Charging current > Rated current * 10%: RED; CV charging current <= Rated current * 10%: GREEN					



Input	Voltage Range	180VAC~264VAC or 90~132VAV	
	Frequency Range	47~63HZ	
	Power Factor	0.65 at 230VAC	
	Efficiency	91%/120VAC	93%/230VAC
	AC Current	6A	
	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	100°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~+45°C	
	Working Humidity	20~90% TH non-condensing	
	Storage Temp. Humidity	-40°C~+85°C, 10~95% TH	
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	IP Rating	IP67	
	Dimension	209*95.7*78.5(L*W*H)	
	Packing	Kg; pcs/ Kg/ CUFT	
Note	1. Modification for charger specification may be required for different battery specification. Please contact battery vendor and ELECTRONY for detail. 2. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25 ° C ambient temperature. 3. Product Liability Disclaimer: For detail information please refer to http://electrony.cn/product-liability-disclaimer/		



● 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