



## Feature:

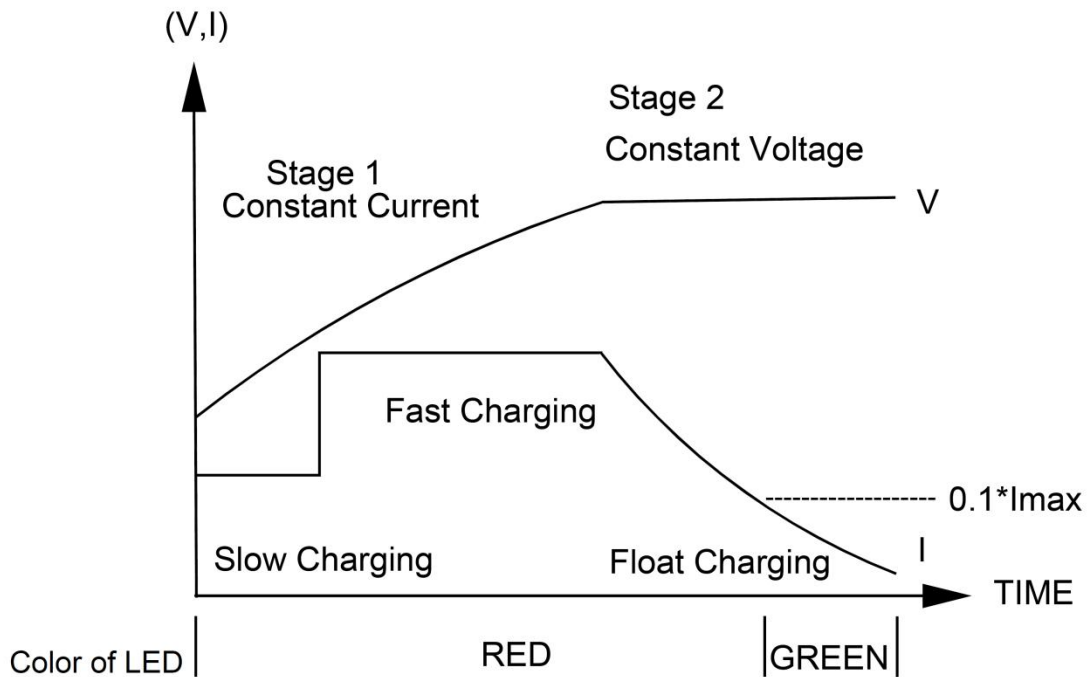
- Charger for lead-acid batteries (Flooded, Gel, and AGM) and Li-Ion batteries (lithium iron, lithium manganese and lithium nickel cobalt manganese) (Note. 1)
- multi-stages smart charging characteristic
- Universal AC voltage range: 90~264VAC
- Protections: Short circuit /Overload /Over voltage /Low 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 90%
- Class I power
- Fan cooling with anti-dust mesh
- 2 color LED loading indicator
- Embed MCU intelligent control, 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	<b>DC voltage</b>	14.6~16.8V	29.2~29.4V	42V	54.6~58.8V	67.2~71.4V	84V
	<b>Rated Current (220VAC)</b>	6A	5A	3.5A	2.5A	2A	1.8A
	<b>Rated Current (110VAC)</b>	6A	5A	3.5A	2.5A	2A	1.8A
	<b>Rated Power</b>	100.8W	147W	147W	147W	142.8W	151.2W
	<b>LED Indicator</b>	CC and CV Charging current > Rated current * 10%: RED; CV charging current <= Rated current * 10%: GREEN					



<b>Input</b>	<b>Voltage Range</b>	90~264VAC
	<b>Frequency Range</b>	47~63HZ
	<b>Power Factor</b>	0.65 at 230VAC
	<b>Efficiency</b>	90%
	<b>AC Current</b>	3A
	<b>Inrush Current</b>	Cold Start<60A
	<b>Leakage Current</b>	<3.5ma/240VAC
<b>Protection</b>	<b>Short Circuit</b>	<15W
	<b>Reverse Polarity</b>	Fuse Blew out, Recovers after fault condition is removed and re-power.
	<b>Low Voltage</b>	This charger works on battery voltage >50% charging voltage
	<b>Over Current</b>	Shun down output voltage, re-power on to recover.
	<b>Over Voltage</b>	
	<b>Over Load</b>	
	<b>Over Temperature</b>	85°C±10°C(RTH2),Automatically derate charge current to half maximum rated current.
<b>Environment</b>	<b>Working Temp.</b>	-30°C~+60°C
	<b>Working Humidity</b>	20~90% TH non-condensing
	<b>Storage Temp.</b>	-40°C~+85°C, 10~95% TH
	<b>Humidity</b>	
<b>Safety &amp; EMC</b>	<b>Safety Standards</b>	
	<b>Withstand Voltage</b>	I/P-O/P:1.8KVAC, I/P-FG:1.8KVAC, O/P-FG:0.5KVAC
	<b>Isolation Resistance</b>	I/P-O/P, I/P-FG, O/P-FG: 100M Ohms/500VDC/25 ° C/70% RH
	<b>EMC Emission</b>	
	<b>EMC Immunity</b>	
<b>Others</b>	<b>Dimension</b>	135*90*50(L*W*H)
	<b>Packing</b>	Kg; pcs/ Kg/ CUFT
<b>Note</b>	<ol style="list-style-type: none"><li>1. Modification for charger specification may be required for different battery specification. Please contact battery vendor and ELECTRONY for detail.</li><li>2. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25° C ambient temperature.</li><li>3. Product Liability Disclaimer: For detail information please refer to <a href="http://electrony.cn/product-liability-disclaimer/">http://electrony.cn/product-liability-disclaimer/</a></li></ol>	

## ● 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