Automatic 3 Stage Battery Charger

Battery Charger ENC series-ENC1210(12V10A)



- AC Input Voltage Range Selectable: 90~165V / 190~265V ◀
 - Protections: short circuit, overload,
 over-temperature, (fuse)
 - Temperature Sensor: optional

Power ON/OFF switch

- Simple operations and maintenance <
 - Slient coolling fan operation
- LED indicates for bulk, absorption, float, charge status fault and

 power ON/OFF





Specification:

	Model	ENC1210					
	DC Voltage	12V	Input	AC voltage	90-165V or 190-265V		
	Restrict Voltage	14.5V±0.2V	Input	range	50/60Hz		
	Floating Voltage	13.8V±0.2V		AC	3A		
	Max.Power	130W	Fuse	DC	15A		
Output	Max Charging Current (continuous)	10A	Efficiency at max. power	110V:>83% 230V:>87%			
			Size	195*102	*55.5mm		
Protection	Reverse Polarity	O/P cut-off, auto-res					
	Short Circuit	O/P cut-off, auto-res	Balley Chape Francisco				
	Overload	O/P current-limited					
	Over-temp.	Inner temp. ≥80°C, auto.shut off	₹	AUTOMATIC			
	OVP (output over voltage protection)	Yes					
	Battery Low Voltage Protection	Yes	Universal Protection Circuit Contact				
Included Acessories	Cable Length: 1.5	m, Plugtype selectable &					
Optional Acessories	te	Compact	Design, "				
Remarks	Specification prior to change without notice						

■ Temperature Sensor (Optional)

Only the factory provided temperature sensor can be used. If no temp.sensor is installed, the controller will set the temperature of the battery at $25\,\%$.

Plug in the temp.sensor before switch on the charger to activate the temperature control function, neave plug in the charger during the charging.

Stick the temperature sensor in a position on the battery and ensure it is not effected by other cooling or heating source.

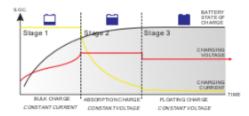
Plug Type (optional)

4	1	S	67	Á	3	200	1
USA	Italy	UK	Pass & Genney	Australia	Small Durage Type	South Africa	Universal

■ Normal 3-Stage (IUoU)Charging Operation

The 3 stage I UoU charge algorithm ensures fast, complete and at same time gentle charging of the lead acid battery.

3-STAGE CHARGING DIAGRAM



State	Name	Explanation	Specification
Stage 1	The Constant Current Charging.	Normally the battery is charged at constant maximum current until it rises to absorption voltage level. The charging voltage changes with the battery voltage.	FullLoad Charge
Stage 2	The Constant Voltage Charging	When the battery voltage rises to the absorption voltage level, the charging switches to constant voltage charging and battery is over 85% full. The battery is kept at this high voltage while the current reduces gradually to set value at which the charger automa scally switches to float stage.	14.5V±0.2V
Stage 3	The Floating Voltage Charging	In this stage, the battery is full and only takes in the amount of current necessary for maintaining the capacity.	≤900mA

Note: If you need charge for GEL battery, please let us know before place order we can adjust the charge voltage.

■ Installation

