



8-Stage Charging



Quick Charge



Operates as a power supply



High frequency technology



Light weight



Multiple electronic protection

Applications

- Automotive / RV
- Marine & other Rugged Environments
- Electric Utilities and Substations
- Base Station Power (Radio & Telecommunications)
- OEM Applications
- Field Work / Construction Sites
- Solar Power Systems
- Emergency Power Backup (UPS)
- Security Systems

Battery Chargers

Series EASY Charger EC-1210P

Description

The EASY Charger Series is designed to charge batteries at least 25% faster than most standard chargers.

It provides 8-stage charging algorithm for quick and save charging of wet, GEL, AGM, Deep Cycle, and Calcium batteries.

Inbuilt electronic protection circuits are designed for maximum charger protection and high operational availability.

The robust aluminium enclosure is suitable for marine, mobile and industrial applications.

Operates as a power supply to run a 12V appliance. Ideal for retaining memory when changing a vehicle battery.

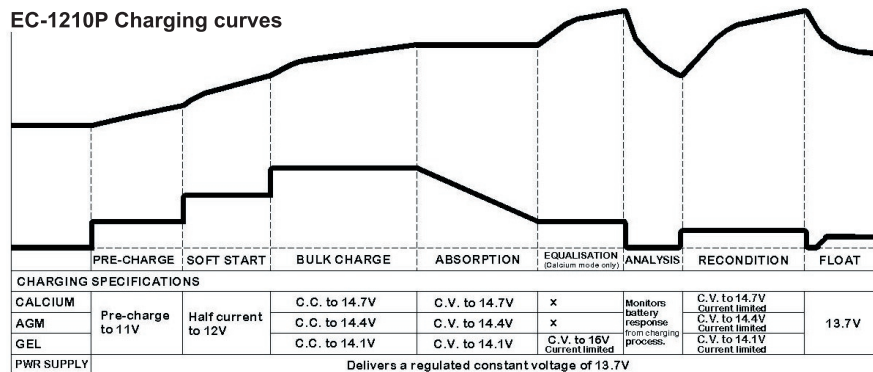
Features

- Fast and reliable 8-stage charging
- Operates as a power supply
- High frequency switching topology
- SMD technology for small size and long life time
- Low ripple DC-output
- ON / OFF switch
- Output short circuit protection
- Over load protection
- LED Indicators
- Compact size, light weight
- Meets CE, RoHS

Specifications (Specifications Subject to Change Without Notice)

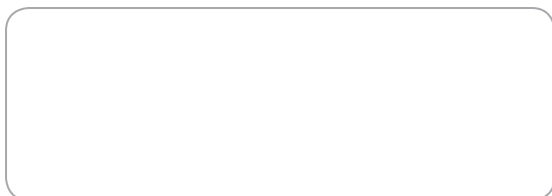
Model	EC-1210P	
INPUT	Input	100V~240VAC / 50~60HZ
	Input Power	172W / 312VA
OUTPUT	Output Voltage	12V (nominal)
	Output Current	10A
CHARGER CONTROL	Pre-charge	2.5A up to 11V
	Soft Start	5.0A up to 12V
	Bulk	10A up to:
		14.1V (GEL)
		14.4V (AGM)
	14.7V (Calcium)	
	Absorption	Constant voltage until current drops to 1.7A
	Equalization (Calcium mode only)	Constant current (2.5A) up to 16V/1.3A then hold for 1 hour or timeout (LED flashing)
	Analysis	Monitors battery for 90 sec (Intermittent flashing LED)
Recondition	Constant current (1.5A) for 1.5 hours (LED flashing)	
	limited to:	
	14.1V (GEL)	
	14.4V (AGM)	
16.0V (Calcium)		
Float	13.7V	
PWR Supply	Set Voltage	13.7V
	Maximum Current	10A
BATTERY RANGE	Deep Cycle	70~200Ah
	Types of Batteries	Most types of lead acid batteries including GEL, AGM, and CALCIUM
ENVIRONMENT	Operate Temperature	0 ~ +40°C , 20 ~ 80% RH
	Storage Temperature	-40 ~+80°C , 10 ~ 95% RH
Safety & CE	LVD	EN60335-1 / EN60335-2-29
	EMI	EN55014-1(EMI) / EN55014-2(EMS)
OTHERS	LED Indication	ON/OFF, Equalizer / Float, GEL, AGM, Calcium , PWR Supply
	Ventilation	Fan cooling (2 steps speed control)
	O/P Wire	Alligator Clips
	Size (mm)	167x103x50mm (L*W*H)
	Weight	0.9Kg
REMARKS	1. Above data was based on 25°C the O/P current maybe different at different temperature. 2. The charger is designed for charging only for batteries according to the technical specification. 3. Specification is subject to improve without prior notice	

EC-1210P Charging curves



RoHS Compliant
Directive 2002/95/EC

Available from:



RIPEnergy

The power conversion company

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