2047 SERIES

3 Step Battery Charger: 130 Watts





Features

- 3-step charge control with timer
- · LED indicator with three different colours
- Wide input 190 264 VAC
- · Charge current not affected by input voltage fluctuations
- Protected against reverse polarity
- · Fully isolated input output
- · Overload and short circuit protection
- · EMC approved, CE marked
- Mounting bracket options

General Specifications

Input Voltage: 190 - 264 VAC

Output Power: 130 watts

Output Voltage: 12V models: 13.7V float,

24V models: 27.4V float 36V models: 40.8V float 48V models: 54.8V float

Efficiency: Typically 81%

Load Regulation: $\pm 1\%$ Line Regulation: $\pm 0.5\%$ Insulation:Class I

Isolation: Input - Output: 4000VAC

Safety: EN60335-2

EMC: Emission: EN61000-6-3

Immunity: EN61000-6-1, EN55014

Operating Temp: -20°C to +50°C

Protection: Short circuit protection & reverse polarity

protection.

LED Indicator: • Red = constant current

Yellow = constant voltage timer on
Green = constant voltage float mode

Dimensions/Weight: 192 x 109 x 54mm. 980g

Description

The 2047 series is part of a family of **3-Step** chargers from 10 - 240 watts. These 3-step chargers are designed for *Cyclic* applications, where the need to re-charge a battery as quickly as possible is the main requirement.

The charger operates in a boost/timer mode for approximately $4\frac{1}{2}$ hours. At the end of the timer period, the charger will return to a Float Voltage level, where it can be left on indefinitely.

The timer is automatically activated when the AC power is switched on.

Options

Timer: Units can be offered with different timer periods

including **zero** timer. In this case the charger operates in the float mode, making it suitable for standby applications, where battery and load are

connected to the charger.

Mounting Brackets: Bracket for panel mounting P/N: FCS-207773









Model	Output Cycle	Voltage Float	A	Battery Capacity
2047 - 12	14.7V	13.7V	10A	40 - 400AH
2047 - 24	29.5V	27.4V	5A	20 - 200AH
2047 - 36	44.1V	40.8V	3.3A	15 - 150AH
2047 - 48	58.8V	54.8V	2.5A	100 - 100AH



Charging Diagram

4.7V 3.8V		Charge Voltage	
	RED	YELLOW	GREEN
	Cycle	Timer	Float
Α -		Charge Current	