

2047 SERIES

3 Step Battery Charger: 130 Watts

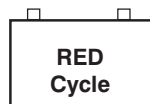


Features

- 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:	±1%
Line Regulation:	±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:	<ul style="list-style-type: none"> • 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 4½ 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

