

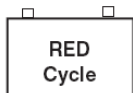
# 2043-2044 SERIES

Battery Charger: 120 ~ 240 Watts



## General Specifications

Input Voltage	90 ~ 264VAC (2043 series) 190 ~ 264VAC (2044 series)
Output Power	120 ~ 240 watts
Output Voltage	12V models: 14.7V float 24V models: 29.5V float 36V models: 41.4V float 48V models: 54.8V float
Efficiency	Typically 81%
Load Regulation	± 1%
Line Regulation	± 0.5%
Insulation	Class I
Isolation	Input-Output: 4000VAC
Safety	EN 60335-2
EMC	Emission: EN61000-6-3 Immunity: EN61006-1, EN55014
Operating Temp.	-10°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	148 x 210 x 58mm 1.55kg



## Features

- 3-step charge control with timer
- Universal input 90 ~ 264VAC (2043 series)
- LED indicator with three different colours
- Output battery clips, other options on request
- Overload and short circuit protection
- Fully isolated input – output 4000VAC
- Mounting bracket options

## Description

The 2043 and 2044 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 1/2hrs. 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.

2043 is Power Factor corrected and mains input is via IEC320 plug.

2044 Input is via fixed power cord.

## 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 & load are connected to the charger.

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



Model	Output Voltage Cycle	Output Voltage Float	A	Battery Capacity
2043-12	14.7V	13.7V	10A	40-400AH
2043-24	29.5V	27.4V	5A	20-200AH
2043-36	44.1V	40.8V	3.3A	15-150AH
2043-48	58.8V	54.8V	2.5A	10-100AH
2044-12	14.7V	13.8V	20A	100-1000AH
2044-24	29.5V	27.4V	10A	50-500AH
2044-36	44.1V	40.8V	6.7A	35-350AH
2044-48	58.8V	54.8V	5A	25-250AH

## Charging Diagram

