

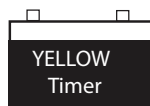
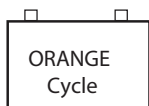
# 2040 SERIES

Battery Charger, Lead Acid Batteries: 50 Watts



## Specifications

Input Voltage:	90 - 264VAC
Output Power:	50 watts
Output Voltage:	12V models: 13.8V float 24V models: 27.6V float 36V models: 41.4V float
Efficiency:	Typically 81%
Load Regulation:	±1%
Line Regulation:	±0.5%
Insulation:	3pin IEC320 Class I ( Class II option)
Isolation:	Input - Output: 4000VAC
Safety:	EN60601, EN60950 EN60335-2-29
EMC:	Medical: EN60601-1 Emission: EN61000-6-3 Immunity: EN61000-6-1
Operating Temp:	-10°C to +40°C
Protection:	Current limiting and short circuit protection. Automatically resettable fuse protects the charger against wrong polarity.
LED Indicator:	• Orange = constant current • Yellow = constant voltage timer on • Green = constant voltage float mode
Dimensions/Weight:	135 x 80 x 44mm. 350g



Model	Output Cycle	Voltage Float	A	Battery Capacity
2040 - 12	14.7V	13.8V	4.0A	15 - 90AH
2040 - 24	29.5V	27.6V	2.0A	7 - 45AH
2040 - 36	44.1V	41.4V	1.4A	5 - 30AH

## Features

- 3-step charge control with timer
- Universal input 90 - 264 VAC
- LED indicators with three different colours
- Medical safety approval
- Wide range of output connector options
- Fully isolated input - output
- Overload and short circuit protection
- Waterproof (IP67) models on request
- Optional mounting bracket

## Description

The 2040 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 2-3 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.

## Options

**IP67** Waterproof IP67 with fixed mains power cord

**Mounting Bracket** For fixed / wall mount applications  
**P/N: 201970**

**Model 2042** Optional fixed mains power cord



## Charging Diagram

