

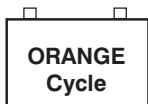
# &\$(\$ SERIES

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## Specifications

<b>Input Voltage:</b>	90 - 264VAC
<b>Output Power:</b>	50 watts
<b>Output Voltage:</b>	12V models: 13.8V float 24V models: 27.6V float 36V models: 41.4V float
<b>Efficiency:</b>	Typically 81%
<b>Load Regulation:</b>	±1%
<b>Line Regulation:</b>	±0.5%
<b>Insulation:</b>	3pin IEC320 Class I ( Class II option)
<b>Isolation:</b>	Input - Output: 4000VAC
<b>Safety:</b>	EN60601, EN60950 EN60335-2-29
<b>EMC:</b>	Medical: EN60601-1 Emission: EN61000-6-3 Immunity: EN61000-6-1
<b>Operating Temp:</b>	-10°C to +40°C
<b>Protection:</b>	Current limiting and short circuit protection. Automatically resettable fuse protects the charger against wrong polarity.
<b>LED Indicator:</b>	<ul style="list-style-type: none"> <li>• Orange = constant current</li> <li>• Yellow = constant voltage timer on</li> <li>• Green = constant voltage float mode</li> </ul>
<b>Dimensions/Weight:</b>	135 x 80 x 44mm. 350g



Model	Output Voltage	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

