

# 9640 SERIES

## 3 Step Battery Charger: 40 Watts

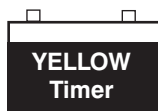
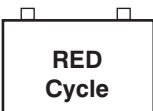


### Features

- 3-step charge control with timer
- Plug-in switch mode design
- LED indicator with three different colours
- Medical safety approval: Model **9641** option
- Optional battery clips or various barrel plug connectors
- Fully isolated input - output
- Overload and short circuit protection
- EMC approved, CE marked
- Approval No. N15923

### General Specifications

<b>Input Voltage:</b>	230 VAC (190 - 264 VAC)
<b>Output Power:</b>	40 watts
<b>Output Voltage:</b>	6V models: 6.9V float, 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>	2 pin Australian plug Class II
<b>Isolation:</b>	Input - Output: 4000VAC
<b>Safety:</b>	EN60950, AS/NZ60950, EN60335-2- 29
<b>EMC:</b>	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>• Red = constant current</li> <li>• Yellow = constant voltage timer on</li> <li>• Green = constant voltage float mode</li> </ul>
<b>Dimensions/Weight:</b>	100 x 51 x 63mm. 250g



Model	Output Cycle	Voltage Float	A	Battery Capacity
9640 - 6	7.35V	6.9V	2.7A	11 - 60AH
9640 - 12	14.7V	13.8V	2.7A	11 - 60AH
9640 - 24	29.5V	27.6V	1.5A	6 - 30AH
9640 - 36	44.1V	41.4V	1.0A	4 - 20AH

### Description

The 9640 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.
- Medical:** Model **9641** available with medical approvals, contact office. Minimum order applies.
- Li-ion:** Model **Li-9641** available for use with Li-ion batteries.

• 6V and 36V models, not stock models, require a minimum order of 30 pieces.



### Charging Diagram

