

# 9940 - BOOST

## 3 Step Battery Charger: 40 Watts



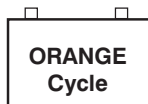
### Features

- 3-step charge control with timer
- Universal input 90~264 VAC
- LED indicators with three different colours
- Medical safety approval
- Optional battery clips or various barrel plug connectors
- Fully isolated input - output
- Overload and short circuit protection
- EMC and CE marked
- Optional mounting bracket
- IP67 waterproof option

\* Crocodile clips included

### General Specifications

<b>Input Voltage:</b>	90 - 264VAC
<b>Output Power:</b>	40 watts
<b>Output Voltage:</b>	12V models: 13.8V float 24V models: 27.6V float 36V models: 41.4V float (not stock model)
<b>Efficiency:</b>	Typically 81%
<b>Load Regulation:</b>	±1%
<b>Line Regulation:</b>	±0.5%
<b>Insulation:</b>	2pin IEC320 Class II
<b>Isolation:</b>	Input - Output: 4000VAC
<b>Safety:</b>	EN60950, AS/NZ60950, EN60335-2-29 EN60601, UL60601-1
<b>EMC:</b>	Medical: EN60601-1-2 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:</b>	107 x 67 x 37mm. 250g



Model	Output Cycle	Voltage Float	A	Battery Capacity
9940 - 12	14.7V	13.8V	2.3A	9 - 60AH
9940 - 24	29.5V	27.6V	1.3A	4 - 30AH
9940 - 36	44.1V	41.4V	0.9A	3.20AH

### Description

The 9940 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.
- Power Cord:** IEC320 input connector with power cable is standard.
- Mounting Bracket:** Optional bracket for panel mounting P/N:201565



### Charging Diagram

