

9940 SERIES

3 Step Battery Charger: 40 Watts

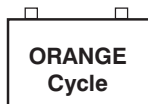


Features

- 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

General Specifications

Input Voltage:	90 - 264VAC
Output Power:	40 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:	2pin IEC320 Class II
Isolation:	Input - Output: 4000VAC
Safety:	EN60950, AS/NZ60950, EN60335-2-29 EN60601, UL60601-1
EMC:	Medical: EN60601-1-2 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:	<ul style="list-style-type: none"> • Orange = constant current • Yellow = constant voltage timer on • Green = constant voltage float mode
Dimensions:	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. Optional **fixed** mains power cable.
- Mounting Bracket:** Optional bracket for panel mounting **P/N:201565**
• (36V models not stock model)

Mounting Bracket option



Charging Diagram

