

9940 SERIES

Battery Charger, Lead Acid Batteries : 40 Watts

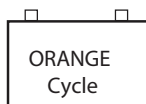


Features

- 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
- Approval No. N19260

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:	• 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

