

# 9640 SERIES

Battery Charger Lead Acid Batteries : 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

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



### 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.



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

### Charging Diagram

