

# 9840, 9740, 2045 SERIES

## 3 Step Battery Charger: 75 - 240 Watts



### Features

- 3-step charge control with timer
- LED indicators with three different colours
- Variety of output voltage options: 12 - 48V models
- Fully isolated input - output
- Overload and short circuit protection
- Waterproof (IP67) models on request
- Medical and safety approved models
- EMC and CE marked
- IP21 enclosure, with flange mounting
- Battery clips standard, other output connector options on request

### General Specifications

<b>Input Voltage:</b>	190 - 264VAC
<b>Output Power:</b>	75 - 240 watts
<b>Output Voltage:</b>	12V models: 13.7V float, 24V models: 27.4V float 36V models: 40.8V float 48V models: 54.8V float
<b>Efficiency:</b>	Typically 81%
<b>Load Regulation:</b>	±1%
<b>Line Regulation:</b>	±0.5%
<b>Insulation:</b>	Class I
<b>Isolation:</b>	Input - Output: 4000VAC
<b>Safety:</b>	EN60335-2 ( EN60601-1: 9740 & 9840)
<b>EMC:</b>	Emission: EN61000-6-3 Immunity: EN610006-1
<b>Operating Temp:</b>	-25°C to +50°C
<b>Protection:</b>	Current limiting and short circuit protection. Reverse polarity protection.
<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/Weight:</b>	9840: 158 x 171 x 54mm. 1.27Kg 9740: 184 x 171 x 54mm. 1.5Kg 2045: 215 x 186 x 64mm. 2.4Kg

### Description

The 9840, 9740 and 2045 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.
- Waterproof:** Optional **IP67** waterproof case available, models 9740 and 2045
- Medical:** Medical approved models: 9740 and 9840



Model	Output Cycle	Voltage Float	A	Battery Capacity
9740 - 12	14.7V	13.7V	10A	40 - 400AH
9740 - 24	29.4V	27.4V	5A	20 - 200AH
9740 - 36	44.1V	41.1V	3.3A	15 - 150AH
9740 - 48	58.8V	54.8V	2.5A	10 - 100AH
9840 - 12	14.7V	13.7V	5A	20 - 120AH
9840 - 24	29.4V	27.4V	2.5A	10 - 60AH
2045 - 12	14.7V	13.7V	20A	100 - 1000AH
2045 - 24	29.4V	27.4V	10A	50 - 500AH
2045 - 36	44.1V	41.1V	6.7A	35 - 350AH
2045 - 48	58.8V	54.8V	5A	25 - 250AH

### Charging Diagram

