

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

Input Voltage:	190 - 264VAC
Output Power:	75 - 240 watts
Output Voltage:	12V models: 13.7V float, 24V models: 27.4V float 36V models: 40.8V float 48V models: 54.8V float
Efficiency:	Typically 81%
Load Regulation:	±1%
Line Regulation:	±0.5%
Insulation:	Class I
Isolation:	Input - Output: 4000VAC
Safety:	EN60335-2 (EN60601-1: 9740 & 9840)
EMC:	Emission: EN61000-6-3 Immunity: EN610006-1
Operating Temp:	-25°C to +50°C
Protection:	Current limiting and short circuit protection. Reverse polarity protection.
LED Indicator:	• Orange = constant current • Yellow = constant voltage timer on • Green = constant voltage float mode
Dimensions/Weight:	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

