

2440 SERIES

Battery Charger Lead Acid Batteries: 60 Watts



General Specifications

Input Voltage	90 ~ 264VAC
Input Frequency	47 ~ 63Hz
Switch Frequency	40kHz
Leakage Current	Leakage current from battery with mains switched off < 250µA
Power	74 watts maximum
Charge Type	Microprocessor with timer....typically 4hrs Safety timer 72hrs
Operating Temp.	-25°C to +40°C at rated load. Derate 2.5% per °C from 40-60°C
Efficiency	87%
Ripple	<100mV pk-pk
Protection	Short circuit proof, Reverse polarity Safety timer
Insulation	Class II
Isolation	Input – Output: 3750VAC / 5300VDC
Safety	E60335-2-29 Medical EN60601-1
EMC	EN61000-6-3, 3N61000-6-1
Connectors	Input: 2pin IEC320 socket Output: Battery Clips- (other options on request)
IP Rating	IP41
Dimensions	135 x 80 x 44mm 390g

Features

- 4-step charge control **with microprocessor & timer**
- Low current start up of deeply discharged batteries.
- 12V and 24V standard models
- LED Indicators for charge cycle
- Switch mode design with wide input 90~264VAC
- Full range of Protection features
- International Safety and EMC Compliant
- Medical Safety approvals -option
- Waterproof (IP67) option

Description

The **2440** series battery chargers are state of the art design for charging medium capacity Lead Acid batteries.

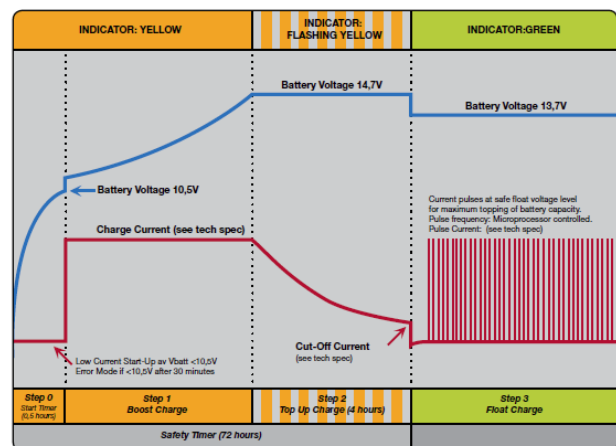
This model offers a 4-step charge control microprocessor that is specially designed to provide a **more gentle low charge** for deeply discharged batteries.

If battery is not connected or incorrect battery connected, the Red LED will indicate an error.

At the end of the typically 4hr period the charger will enter a pulse mode that is aimed at topping up the battery to it's full capacity

Options

IP67	Waterproof IP67 with fixed mains power cord
Mounting Bracket	For fixed / wall mount applications P/N: 201970
Output plugs	Various output plugs



Charge Control – LED Indication							
Model	Output V	Step 0 (<30min) Yellow	Step 0 (>30min) Red = Error	Step 1 Yellow	Step2 Flash Yellow	Step 3 Green	Battery Capacity
2440-12	12V	1.2A (±0.2A) Batt V <10.5V	<0.2A or No battery Connected	4A (±0.2A) Batt V >10.5V	14.7V (±0.1A) Until charge <1.2A or 4hr timer	13.7V - Float Pulsing current at safe V for max top-up of batt.	12-200Ah
2440-24	24V	0.6A (±0.2A) Batt V <21V	<0.2A or No battery Connected	2.5A (±0.2A) Batt V >21V	29.4V (±0.1A) Until charge <0.6A or 4hr timer	27.4V - Float Pulsing current at safe V for max top-up of batt.	12-125Ah