

2945 SERIES

Battery Charger Lead Acid Batteries: 240~290 Watts



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
- Full range of Protection features
- International Safety and EMC Compliant
- Medical Safety approvals -option
- Waterproof (IP67) option

General Specifications

Input Voltage	198 ~ 264VAC
Input Frequency	47 ~ 63Hz
Switch Frequency	67kHz
Leakage Current	Leakage current from battery with mains switched off < 0.6mA at 13V
Power	290watts 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	85%
Ripple	<100mV pk-pk
Protection	Short circuit proof, Reverse polarity Safety timer
Insulation	Class I
Isolation	Input – Output: 3750VAC / 5300VDC
Safety	E60335-2-29 Medical EN60601-1
EMC	EN61000-6-3, 3N61000-6-1
Connectors	Input: mains power cord Output: Battery Clips- (other options on request)
IP Rating	IP20
Dimensions	215 x 186 x 64mm 2.4kg

Description

The **2945** 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.

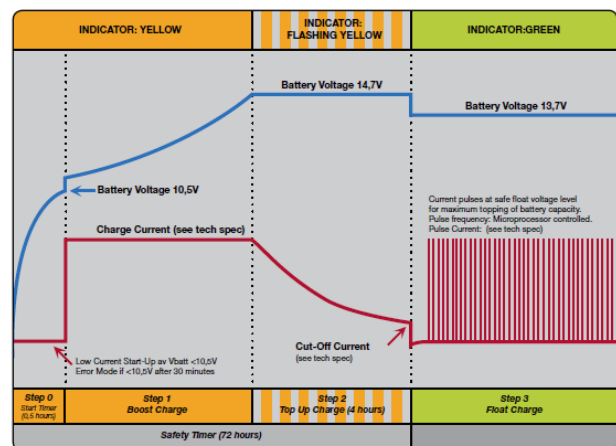
If battery is not connected or incorrect battery connected, the Red LED will indicate an error.

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



Charge Control – LED Indication						
Model	Output V	Step 0 (>30min) Red = Error	Step 1 Yellow	Step2 Flash Yellow	Step 3 Green	Battery Capacity
2945-12	12V	<0.2A or No battery Connected	20A (±0.5A) Batt V >10.5V	14.7V (±0.1A) Until charge <2.5A or 4hr timer	13.7V - Float Pulsing current at safe V for max top-up of batt.	100-1000Ah
2945-24	24V	<0.2A or No battery Connected	10A (±0.5A) Batt V >21V	29.4V (±0.1A) Until charge <1.4A or 4hr timer	27.4V - Float Pulsing current at safe V for max top-up of batt.	50-500Ah