

## 2240 SERIES

### 3 Step Battery Charger: 15 Watts



#### Features

- 3-Step charge control with **current detection** as charge termination
- Universal input: 90 - 264VAC
- LED indicates charger state
- Available in 6V, 12V and 24V Lead Acid batteries
- Customer special specifications available on request
- Medical approval EN60601
- CE marked and EMC approval
- 2-pin IEC320 mains input
- Optional mounting bracket
- **IP67** waterproof option

#### General Specifications

<b>Input Voltage:</b>	90 - 264VAC
<b>Output Power:</b>	15 watts
<b>Output Voltage:</b>	6 - 36VDC (other voltages on request)
<b>Voltage Range</b>	Fixed
<b>Load Regulation:</b>	±1%
<b>Line Regulation:</b>	±0.5%
<b>Insulation:</b>	2pin IEC320 Class II
<b>Isolation:</b>	Input - Output: 4000VAC
<b>Safety:</b>	EN60950, EN60601-1, EN60335-2
<b>EMC:</b>	Medical: EN60601-1-2 Emission: EN61000-6-3 Immunity: EN61000-6-1
<b>Operating Temp:</b>	-20°C to +40°C
<b>Efficiency:</b>	Model dependent, typically 80%
<b>LED:</b>	<ul style="list-style-type: none"> <li>• Orange = charge current</li> <li>• Orange = charge voltage</li> <li>• Green = charge terminated</li> </ul>
<b>Protection:</b>	Reverse polarity and short circuit protection
<b>Dimensions/Weight:</b>	90 x 45 x 32mm. 115g

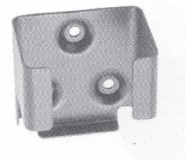
#### Description

The 2240 series battery charger is a 15 watt low power unit, for use with 6V, 12V, 24V, and 36V Lead Acid batteries. Charge control is with **current detection** as charge termination and an LED indicates the condition of the 3-step charge. Models with **Medical** approvals available as well with waterproof **IP67** case.

#### Options

<b>Input Connector:</b>	Standard mains input: 2 pin IEC320. Fixed mains power cord option (special orders).
<b>Output Plug:</b>	A variety of output plugs available, consult office for details
<b>Waterproof:</b>	Models with <b>IP67</b> waterproof rating
<b>Mounting Bracket:</b>	Bracket for panel mounting <b>P/N: 202906</b>

#### Mounting Bracket option



LED Indicator	Model Charge	2240 - 6V Output	2240 - 12V Output	2240 - 24V Output	2241 - 36V Output
<b>Step 1 - Orange</b>	Charge Current	1.3A +5 -7%	1.0A +5 -7%	0.5A +5 -7%	0.35A +5 -7%
<b>Step 2 - Orange</b>	Charge Voltage	7.35V	14.7V	29.4V	44.1V
<b>Step 3 - Green</b>	Charge Termination	250mA ±20%	250mA ±20%	250mA ±20%	150mA ±20%
<b>Standby Voltage</b>		6.85V	13.7V	27.4V	41.1V
<b>Battery Capacity</b>		4 - 12AH	3 - 12AH	1.5 - 12AH	1 - 7AH