

# 9541 SERIES

12V & 24V Battery Chargers: 500 Watts



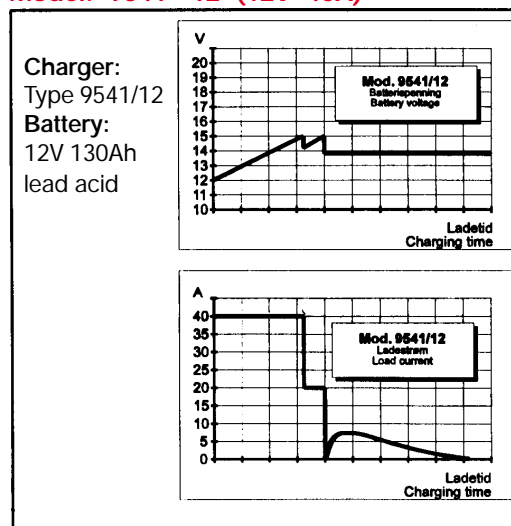
## Features

- Automatic charging of lead-acid batteries
- Capable of charging completely flat batteries
- Two stage charge: quick charge at constant current with automatic switchover to constant voltage
- Temperature compensation charging
- Fully protected against short circuit and overload
- Switch mode design, compact lightweight package
- Accurately charges batteries from 100 - 200AH
- The unit consists of two charger modules in parallel, one module failure allows 50% capacity (250W)
- Meets relevant EMC standards.

## Specifications

<b>INPUT VOLTAGE:</b>	240 VAC (198 - 264)
<b>FREQUENCY:</b>	47- 63HZ
<b>EFFICIENCY:</b>	Typically 86%
<b>OUTPUT POWER:</b>	500 watts maximum
<b>CHARGE VOLTAGE:</b>	12V set to 13.8V float charge at 20°C 24V set to 27.6V float charge at 20°C Voltage is internally adjustable at ±5%
<b>CHARGE CURRENT:</b>	12V model: 40A constant current until the battery is fully charged, ie. voltage reaches 15V at 20°C. 24V model: 20A constant current until the battery is fully charged, ie. voltage reaches 30V at 20 °C
<b>TEMP. CO-EFFICIENT:</b>	-3mV to -4mV per °C per cell
<b>SWITCHING FREQUENCY:</b>	67kHz
<b>LEAKAGE CURRENT:</b>	Leakage current from battery when charger is not connected to mains < 1mA.
<b>OPERATING TEMP:</b>	-25°C to +40°C at rated power
<b>EMC EMISSION:</b>	EN50081-1 (EN55014, EN60555-2)
<b>EMC IMMUNITY:</b>	EN50082-1 (IEC801-2 -3 -4)
<b>ELECTRICAL SAFETY:</b>	EN60335-1, EN60335-2-9 Class I insulation with ground
<b>PROTECTION:</b>	<ul style="list-style-type: none"> <li>• Short circuit proof</li> <li>• Overtemperature: charge current will reduce to a safe level</li> <li>• Reverse polarity protection</li> <li>• Transient protection at mains with MOV</li> </ul>
<b>INDICATOR:</b>	None
<b>CONNECTOR:</b>	IEC socket at input, screw terminals at output
<b>DIMENSIONS &amp; WEIGHT:</b>	289 x 115 x 153mm. 3.5kg.

### Model: 9541 - 12 (12V 40A)



### Model: 9541 - 24 (24V 20A)

