2544 SERIES

Battery Charger DC/DC Converter: 30 Watts

AMTEX ELECTRONICS PTY LTD
www.amtex.com.au
"DC Power Solutions...not just components"

Features

- DC/DC Converter / Battery Charger
- 10-30Vdc and 20-60Vdc input options
- 3-step charge control with current detection as charge termination
- Charging 6V, 12V and 24V Lead Acid batteries
- 3-colored LED indicator
- Mounting bracket options
- Waterproof IP67 option

DC-X Exchange DC Plugs IP67

General Specifications

Input Voltage	10-30Vdc (2544 models) 20-60Vdc (2541 models)
Switch Frequency	40kHz
Power	30 watts
Leakage Current	<1mA with input power switched off
Operating Temp.	-20ºC to +50ºC
Output Ripple	<100mV pk-pk
Efficiency	Typically 80% at full load
Protection	• Against reverse polarity • Short circuit
EMC	EN61204-3
Input Terminals	Cable with fuse & cord
Output Terminals	Cord with exchangeable plugs
IP Protection	IP20 IP67 - option
Dimension	107 x 67 x37mm
Weight	250g

Description

The **2544 & 2541** series battery chargers, is a range of DC/DC converters / chargers designed for dc input applications.
Two wide input options of 10-30V and 20-60V provide added flexibility to customer's applications.

These units have a 3-step charge control, with **Current Detection** as charge completion / control.

There are a variety of **exchangeable** output plugs to choose from as well as IP67 waterproof case.

Options:

Optional bracket for panel mounting **P/N:201565**.

Mounting Bracket option

Price & Stock Enquiry

DC/DC Battery Charger models			Step 1 Orange	Step 2A Orange	Step 2B Yellow	Step 3 Green	Float Charge V
Model	**Input V**	**Output V**	**Charge A**	**Charge V**	**When A is**	**Charge Termination A**	
2544-6	**10-30V**	6V	2.7A ±0.2A	7.35V	<1.15A ±25%	<0.25A ±25%	6.9V ±0.15V
2544-12	**10-30V**	12V	2.0A ±0.15A	14.7V	<0.85A ±25%		13.7V ±0.15V
2544-24	**10-30V**	24V	1.2A ±0.1A	29.4A	<0.5A ±25%		27.4V ±0.15V
2541-6	**20-60V**	6V	2.7A ±0.2A	7.35V	<1.15A ±25%		6.9V ±0.15V
2541-12	**20-60V**	12V	2.0A ±0.15A	14.7V	<0.85A ±25%		13.7V ±0.15V
2541-24	**20-60V**	24V	1.2A ±0.1A	29.4A	<0.5A ±25%		27.4V ±0.15V