

# BDA300 SERIES

AC/DC Single Output: 300 Watts



## Features

- Universal input: 85 - 264VAC
- IEC input mains socket with power cord
- Short circuit and OVP protection
- Harmonic correction EN61000-3-2
- Power factor correction
- EMC EN55022 - A
- Immunity EN61000-4
- Wide range of output voltage options
- Voltage adjustment
- Stand alone or panel mounting case
- Suitable for **Battery Charging**

## General Specifications

<b>Input Voltage:</b>	90 - 264VAC
<b>Output Voltage:</b>	3.3 - 48VDC
<b>Output Power:</b>	300 watts
<b>Voltage Adjustment:</b>	See table
<b>Efficiency:</b>	Model dependent 67 - 85%
<b>Line Regulation:</b>	Typically 0.2%
<b>Load Regulation:</b>	Typically 0.5%
<b>Output Protection:</b>	Current limiting/Short circuit protection OVP protection
<b>EMC:</b>	EN55022 Level A
<b>Immunity</b>	EN61000 - 4
<b>Isolation:</b>	Input - Output 3000VAC
<b>Operating Temp:</b>	-10°C to 50°C at 100% load
<b>Cooling:</b>	Built-in fan
<b>Connector:</b>	Power Supply models: 2 way screw terminals Battery Charging models: 4 way screw terminals
<b>Dimensions/Weight:</b>	300 x 150 x 63mm 1.4Kg

## Description

The BDA300 series power supply was designed for use as a stand-alone product with mains via IEC socket and power cord, but can also be panel mounted via four mounting feet.

The end result is a product that can be safely used in a wide range of industrial applications

Overload protection is via *constant current limiting*, thus making the BDA300 suitable for use in battery charging applications.

## Options

N/A

Model	Output			Power W
	V	A	(V Range)	
BDA300 - 3	3.3V	55A	2.9 - 3.9V	181W
BDA300 - 5	5.0V	55A	4.5 - 6V	275W
BDA300 - 12	12V	26A	9.6 - 13.2V	300W
BDA300 - 15	15V	21A	13.2 - 18.6V	300W
BDA300 - 24	24V	13A	20 - 28.8V	300W
BDA300 - 36	36V	8.7A	28.8 - 40V	300W
BDA300 - 48	48V	6.7A	40 - 57.6V	300W

Model	Output			Power W
	V	A	(V Range)	
BDA300 - 12B	13.8V	21A	13.2 - 18.6V	300W
BDA300 - 24B	27.6V	11A	20 - 28.8V	300W
BDA300 - 48B	54.0V	5.6A	40 - 57.6V	300W

- Battery Charging Models