

# BDA300 SERIES

## AC/DC Single Output: 300 Watts



### Features

- Universal input 85~264 VAC
- IEC input mains socket
- Short circuit and OVP protection
- Harmonic correction EN61000-3-2
- Power factor correction
- EMC EN55022
- Immunity EN61000-4
- Wide voltage adjustment
- Suitable for **Battery Charging**
- Optional 2 way or 4 way output terminal for use as a combined Battery Charger and Power Supply for DC back-up systems ... add 'B' to model

### Specifications

<b>INPUT VOLTAGE:</b>	85 ~ 264VAC, 120 ~ 370VDC 80 ~ 370VDC @ 80% load
<b>INPUT CURRENT:</b>	2.5 - 1.8A @ 115 - 230VAC
<b>POWER FACTOR:</b>	0.99 - 0.95 @ 115 - 230VAC
<b>HARMONICS:</b>	EN61000-3-2
<b>OUTPUT POWER:</b>	300 watts
<b>EFFICIENCY:</b>	Model dependant: 67 - 85%
<b>OUTPUT VOLTAGE:</b>	Refer to table
<b>RIPPLE &amp; NOISE:</b>	Model dependant: 100 - 240mV 3.3V - 48V output
<b>LINE REGULATION:</b>	Model dependent: 20 - 96mV 3.3V - 48V output
<b>LOAD REGULATION:</b>	Model dependent: 40 - 240mV 3.3V - 48V output
<b>TEMP. CO-EFFICIENT:</b>	0.02% per °C
<b>OVERLOAD PROTECTION:</b>	Constant current set at approx 110% of rated current with automatic recovery
<b>OVP:</b>	OVP will shut down unit. Recycle AC power after 30 seconds to restart
<b>OVERTEMP. PROTECTION:</b>	OTP will shut down unit. Recycle AC power after cooling down to restart
<b>HOLD UP TIME:</b>	Typically 20ms
<b>LEAKAGE CURRENT:</b>	0.75mA max. Typically 0.5mA @ 230 VAC
<b>PARALLEL OPERATION:</b>	NO
<b>OPERATING TEMP:</b>	-10°C to +50°C.
<b>HUMIDITY:</b>	30 - 90% RH. No dewdrop
<b>COOLING:</b>	Forced air by internal fan
<b>ISOLATION:</b>	Input - Output/Case: 3K VAC/2K VAC Output - Case: 500 VAC
<b>SAFETY:</b>	Designed to UL60950, EN60950
<b>EMI:</b>	EN55011/EN55022-A
<b>IMMUNITY:</b>	EN61000-4-2, -3, -4, -5, -6, -8, -11
<b>WEIGHT:</b>	1.4Kg
<b>DIMENSIONS:</b>	300 x 150 x 63mm

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
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

