

BDA SERIES

AC/DC Single Output: 50 - 150 Watts



Features

- Auto ranging input 100~240VAC
- Power levels from 50~150 watts
- Wide range of voltage selections 5V~48V
- Harmonic current per EN61000-3-2
- Floating output, fully isolated
- EMC to EN55011-B
- Immunity to EN61000-4-2, -3, -4, -5, -6
- Convection cooled
- OVP and overload protection
- Vented Case package suitable for a wide range of industrial applications
- Customised enclosures on request
- **Battery Charging** models available on request

Specifications

INPUT VOLTAGE:	85 - 264VAC: BDA50 110/230VAC auto select for models BDA75 - BDA150
HARMONICS:	EN61000-3-2 for BDA75 - BDA150
FREQUENCY:	47 - 63Hz
EFFICIENCY:	Model dependent typically 65-80%
OUTPUT POWER:	5~150 watts
OUTPUT VOLTAGE:	5V~48V models: refer to table
OUTPUT V. ADJUSTMENT:	Typically $\pm 10\%$ of nominal
LINE REGULATION:	Typically $\pm 0.4\%$ over input range
LOAD REGULATION:	Typically $\pm 0.6\%$ from no load to full load
MINIMUM LOAD:	Units will operate with zero load
TEMP. CO-EFFICIENT:	0.02% per °C
OUTPUT NOISE:	Typically 1% of nominal V out
OVP:	OVP will shut down unit, manual reset by AC line recycle
OVERLOAD PROTECTION:	Current limiting set at approx. 110% of output current with auto recovery.
HOLD UP TIME:	Typically 20ms at rated power and input
START UP TIME:	Typically 3 seconds
PARALLEL OPERATION:	No
SERIES OPERATION:	Yes
OPERATING TEMP:	-10°C to +50°C at full load. Derate from 50°C to 60°C
COOLING:	Convection cooled
ISOLATION:	Input - output 3000VAC Input - chassis 2000VAC Output - frame 500VAC
SAFETY:	Power modules approved to IEC950, EN60950, UL1950, AS3260
EMI/RFI:	EN55011 - A
CONNECTIONS:	Mains input cord and plug. Output via terminal block
DIMENSIONS:	260 x 105 x 75mm



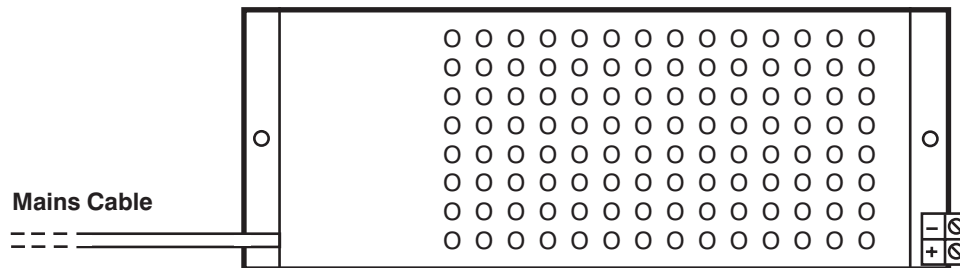
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MODEL	Output		Power W
	V	A	
BDA50 - 5	5V	10A	50W
BDA50 - 12	12V	4.3A	50W
BDA50 - 15	15V	3.5A	50W
BDA50 - 24	24V	2.1A	50W
BDA50 - 36	36V	1.4A	50W
BDA50 - 48	48V	1.1A	50W
BDA75 - 5	5V	15A	75W
BDA75 - 12	12V	6.3A	75W
BDA75 - 15	15V	5.0A	75W
BDA75 - 24	24V	3.2A	75W
BDA75 - 28	28V	2.7A	75W
BDA75 - 36	36V	2.1A	75W
BDA75 - 48	48V	1.6A	75W

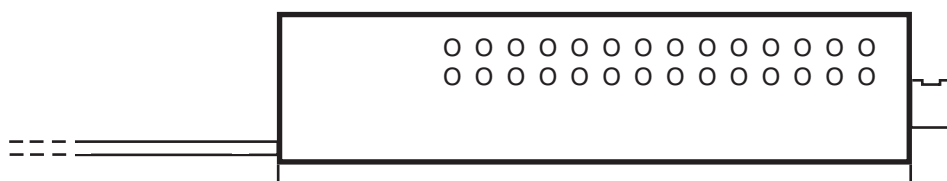
MODEL	Output		Power W
	V	A	
BDA100 - 5	5V	20A	100W
BDA100 - 12	12V	8.5A	100W
BDA100 - 15	15V	6.7A	100W
BDA100 - 24	24V	4.3A	100W
BDA100 - 28	28V	3.6A	100W
BDA100 - 36	36V	2.8A	100W
BDA100 - 48	48V	2.1A	100W
BDA120 - 24	24V	5A/10A	120W
BDA120 - 36	36V	3.4A/6.7A	120W
BDA150 - 5	5V	30A	150W
BDA150 - 12	12V	12.5A	150W
BDA150 - 15	15V	10.0A	150W
BDA150 - 24	24V	6.3A	150W
BDA150 - 28	28V	5.4A	150W
BDA150 - 36	36V	4.2A	150W
BDA150 - 48	48V	3.2A	150W

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Top View

Overall dimensions: 258 x 75 x 105mm (excluding connectors)
 Mounting hole diameter: 6mm
 Mounting hole pitch: 246mm



Side View