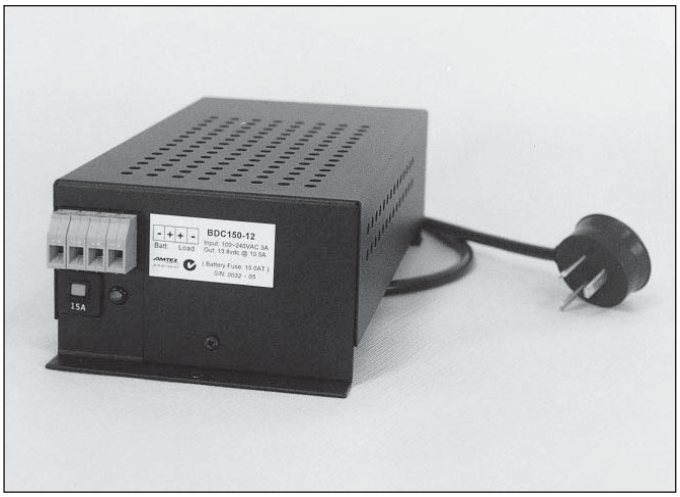
BDC SERIES

Battery Chargers: 50 - 150 Watts



Features

- Auto ranging input 100~240VAC
- Power levels from 50~150 watts
- 12V and 24V models
- 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
- LED for power out OK
- Battery protection - self re-setting 5A, 10A or 15A circuit breaker
- Separate load and battery terminals

Specifications

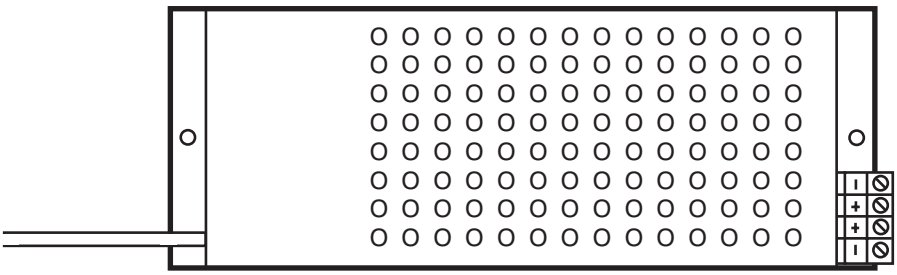
INPUT VOLTAGE:	85 - 264VAC: BDC50 110/230VAC auto select for models BDC75 - BDC150
HARMONICS:	EN61000-3-2 for BDC75 - BDC150
FREQUENCY:	47 - 63Hz
EFFICIENCY:	Model dependent typically 65-80%
OUTPUT POWER:	50~150 watts
OUTPUT VOLTAGE:	12V & 24V models: refer to table
OUTPUT V. ADJUSTMENT:	Typically ±5% of nominal
LINE REGULATION:	Typically ±0.4% over input range
LOAD REGULATION:	Typically ±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:	Constant current limiting
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:	Rectifier modules used, approved to IEC950, EN60950, UL1950, AS3260
EMI/RFI:	EN55011 - A
CONNECTIONS:	Mains input cord and plug. Output via terminal block
DIMENSIONS:	260 x 125 x 75mm
WEIGHT:	Model dependent 0.7 - 1.2 kg

BDC SERIES

Battery Chargers: 50 - 150 Watts

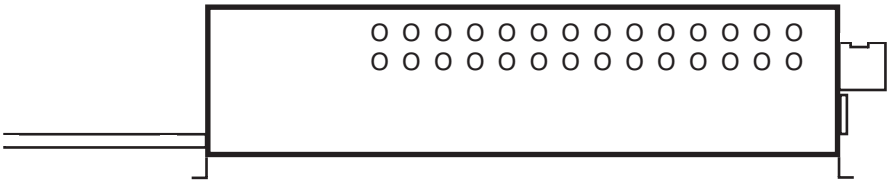
MODEL	Output V	Output A	Battery Float Voltage	Power W
BDC50 - 12	12V	3.5A	13.8V	50W
BDC75 - 12	12V	5.0A	13.8V	75W
BDC100 - 12	12V	7.0A	13.8V	100W
BDC150 - 12	12V	10.5A	13.8V	150W
BDC75 - 24	24V	2.7A	27.6V	75W
BDC100 - 24	24V	3.6A	27.6V	100W
BDC150 - 24	24V	5.2A	27.6V	150W

BDC SERIES

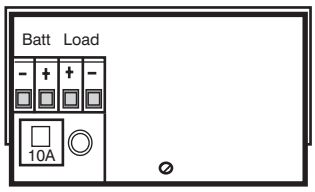


Top View

Overall dimensions: 259 x 75 x 125mm (excluding connectors)
Mounting hole diameter: 6mm
Mounting hole pitch: 246mm



Side View



End View