

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 $\pm 5\%$ 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: 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

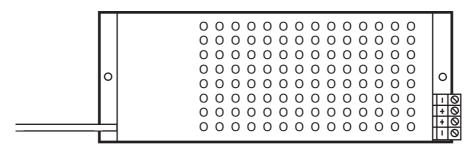


BDC SERIES

Battery Chargers: 50 - 150 Watts

MODEL	Output V 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

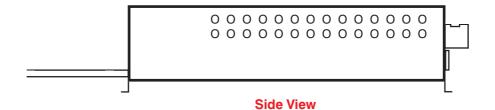
BDC SERIES

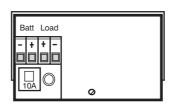


Top View

Overall dimensions: 259 x 75 x 125mm (excluding connectors)

Mounting hole diameter: 6mm Mounting hole pitch: 246mm





End View