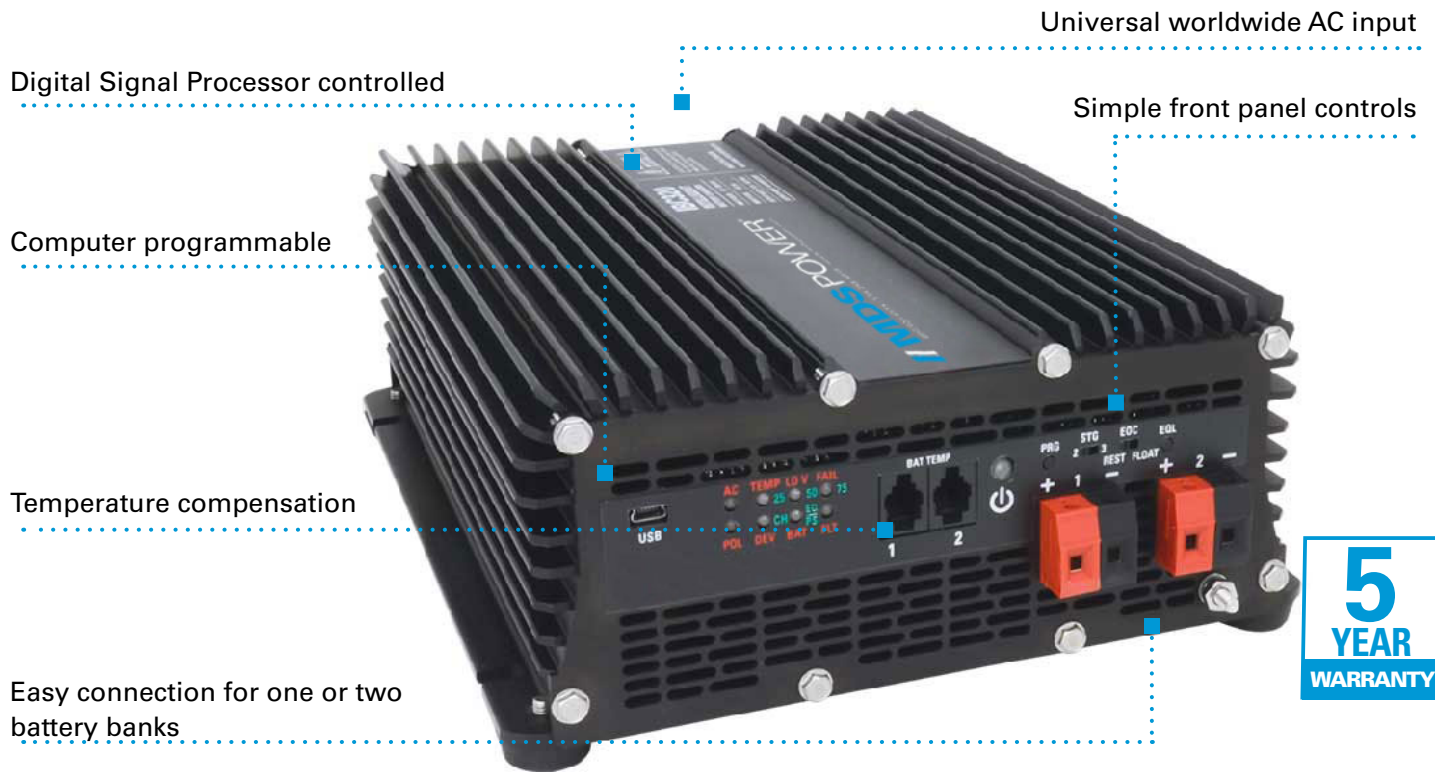


## PRODUCT OVERVIEW



The IBC series chargers are fully Digital Signal Processor controlled and feature Universal Input Voltage from 85 to 265 VAC at 50 or 60 Hz with Active Power Factor Correction for the most efficient use of AC power.

Four charging profiles are available with easy front panel selection to handle most types of batteries from traditional Lead Acid, Sealed Lead Acid and even Lithium Ion.

The free to download 'Power Wizard' software allows full programming and selection of each of the four profiles from a laptop computer. 300 and 1000 Watt models for 1 or 2 banks of 12, 24, 28, 32, 36 or 48 Volt batteries.

## Available models

12V	24V	28V	32V	36V	48V
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## Applications



## TECHNICAL SPECIFICATIONS

INPUT	
Volts	85 - 265 VAC, 1 Phase, 45 - 65 Hz
Current (max) *	4 Amps with inrush protection
Input Fuse	AGC 5 Amp
Power Factor	>0.99 at full load
Efficiency	>90% at full load

\* Maximum Input Current Specified at 105 VAC, output power derated below 105 VAC

OUTPUT						
Output Volts Nominal	12 VDC	24 VDC	28 VDC	32 VDC	36 VDC	48 VDC
VDC Range **	12.0-15.5	24.0-31.0	28.0-36.2	32.0-41.3	36.0-46.5	48.0-62.0
Output Current	20 Amps	10 Amps	9 Amps	8 Amps	7 Amps	5 Amps
Recommended Battery Amp-Hours	100	50	45	40	33	25
Standard Temp Compensation	-15 mV/C	-30 mV/C	-35 mV/C	-40 mV/C	-45 mV/C	-60 mV/C
Battery Banks	1 or 2 banks with common negative					
Charging Stages	2 or 3 stage user selectable					
End of Charge	Float or rest user selectable					

\*\* Actual Output Voltage determined by User Settings or by Charger Firmware

MECHANICAL	
Dimensions	9.5 in / 24.1 cm Long x 8.0 in / 20.3 cm Wide x 3.25 in / 8.3 cm High
Clearance	1.0 in / 2.5 cm all around
Weight	6.2 lb / 2.8 kg
Material and Finish	Marine grade black anodized aluminum with 18-8 stainless fasteners
Mounting	Wall or shelf mount
Connections	Integrated color coded terminal blocks

ENVIRONMENTAL AND SAFETY	
Operating Temperature Range	-25°C to +40°C @ maximum output. Derate Linearly 2.5% per °C from 40°C (Optional -40°C wide temperature range available)
Storage Temperature Range	-55°C to +85°C
Humidity	0 - 95% relative humidity (non-condensing) with standard conformal coating
Emissions	Meets FCC Part 15, Class B
Ingress Protection	IP52, dust and dripping water protected
Isolation	>1500 VDC Input-Output, Input-Case, Output-Case
Audible Noise	None
Duty Cycle	Continuous
Warranty	Five years
Safety	Built to meet ABS, CE, UL458 and CSA 22.2.107.1

## OPTIONS

- Digital display of voltage and current (lengthens chassis)
- Ruggedized and wide temperature
- Dry contact output fail relay
- Waterproof model available sealed to IP66
- Safety Special Inspection (CSA/UL)

## DIMENSIONS

