

CANBAT

DEPENDABLE AC/DC POWER
MANAGEMENT FOR

120 VAC INPUT
12 VDC OUTPUT



CPC SERIES

POWER CONVERTERS CHARGERS



THE AC/DC POWER SOLUTION OF CHOICE

Canbat Power Converter Chargers provide reliable AC/DC power conversion for a variety of application needs. These Converter Chargers are essentially two units combined: a versatile battery charger for 12-volt battery banks and a reliable AC/DC converter for powering low voltage loads.

With a record of proven performance throughout several industries in Canada and across the globe, Canbat Power Converter Products are the AC/DC power solution of choice for a number of professional and recreational users. This includes various RV, specialty vehicles, marine and other application for a wide range of industries.



Converter & Charger

Canbat Power Converter Chargers provide reliable AC/DC power conversion for various professional & recreational applications; often used in RVs to power 12-volt DC systems and charge batteries.



Versatile Charger

Compatible with LiFePO4 batteries, lead-acid batteries, and lead-carbon batteries. The built-in voltage regulator lets you set the exact charge voltages for your specific battery bank.



Professional Design

Made from premium anodized iron and features a built-in precision fan that operates quietly and activates only when necessary, offering excellent cooling and efficient output. Includes built-in protection against low AC voltage, current surges and thermal overload.



Quality Gauranteed

Canbat power converter chargers are supported by a 5-year warranty, the longest in the industry. Each charger is ETL-certified, ensuring superior safety and quality. Conforms to UL and CSA standards.

A WIDE SELECTION OF MODELS FOR YOUR APPLICATION

Specification	CPC35-12	CPC45-12	CPC55-12	CPC75-12	CPC100-12
DC Output Voltage (No Load) approx	14.4/13.6/13.2V	14.4/13.6/13.2V	14.4/13.6/13.2V	14.4/13.6/13.2V	14.4/13.6/13.2V
Output Voltage Tolerance (No Load)	+/-0.7%	+/-0.7%	+/-0.7%	+/-0.7%	+/-0.7%
Output Amperage, Max Continuous	35Amps	45Amps	55Amps	75Amps	100Amps
Output Voltage (Full Load) approx	>13.4V (DC)	>13.4V (DC)	>13.4V (DC)	>13.4V (DC)	>13.4V (DC)
Maximum Power Input, Continuous	601W	773W	945W	1288W	1718W
Maximum Power Output, Continuous	476 watts	612 watts	748 watts	1020 watts	1360 watts
Input Voltage Range	105-135AC	105-135AC	105-135AC	105-135AC	105-135AC
Input Voltage Frequency	47-63	47-63	47-63	47-63	47-63
Maximum AC Current @ 108Vac	8.6 amps	11 amps	13.4 amps	18.2 amps	24 amps
Typical Efficiency	>85%	>85%	>85%	>85%	>85%
Max Inrush Current, Single Cycle	40 amps	40 amps	40 amps	40 amps	40 amps
Short Circuit Protection	Yes	Yes	Yes	Yes	Yes
Overload Protection	>100%	>100%	>100%	>100%	>100%
Fan Control	Proportional	Proportional	Proportional	Proportional	Proportional
Thermal Protection	Yes	Yes	Yes	Yes	Yes
Working Temperature Range	-20 to 40° C	-20 to 40° C	-20 to 40° C	-20 to 40° C	-20 to 40° C
Storage Temperature Range	-20° to 80° C	-20° to 80° C	-20° to 80° C	-20° to 80° C	-20° to 80° C
Dimensions	7.8 x 9.5 x 3.5 inches 19.8 x 24.1 x 8.9 cm	7.8 x 9.5 x 3.5 inches 19.8 x 24.1 x 8.9 cm	7.8 x 9.5 x 3.5 inches 19.8 x 24.1 x 8.9 cm	7.8 x 9.5 x 3.5 inches 19.8 x 24.1 x 8.9 cm	7.8 x 9.5 x 3.5 inches 19.8 x 24.1 x 8.9 cm
Weight	7.0 lbs / 3.2 kg	7.0 lbs/3.2 kg	7.0 lbs/3.2 kg	8.0 lbs/3.6 kg	9.0 lbs/4.1 kg

POWERFUL DESIGN FEATURES



Built-in protection features against low AC line voltage, current surges, and thermal overload.



Lower operating temperature for longer component life and safer operation in limited compartment spaces. The best converter for RV life in Canada.



Proportional fan control provides 'whisper-quiet' operation, utilizing the fan only when needed and at minimal speeds, eliminating sudden and obtrusive start-up noise.



External Reverse Polarity automotive blade-type protect the unit in the event of incorrect battery hook-up. Easily accessible and replaceable fuses.

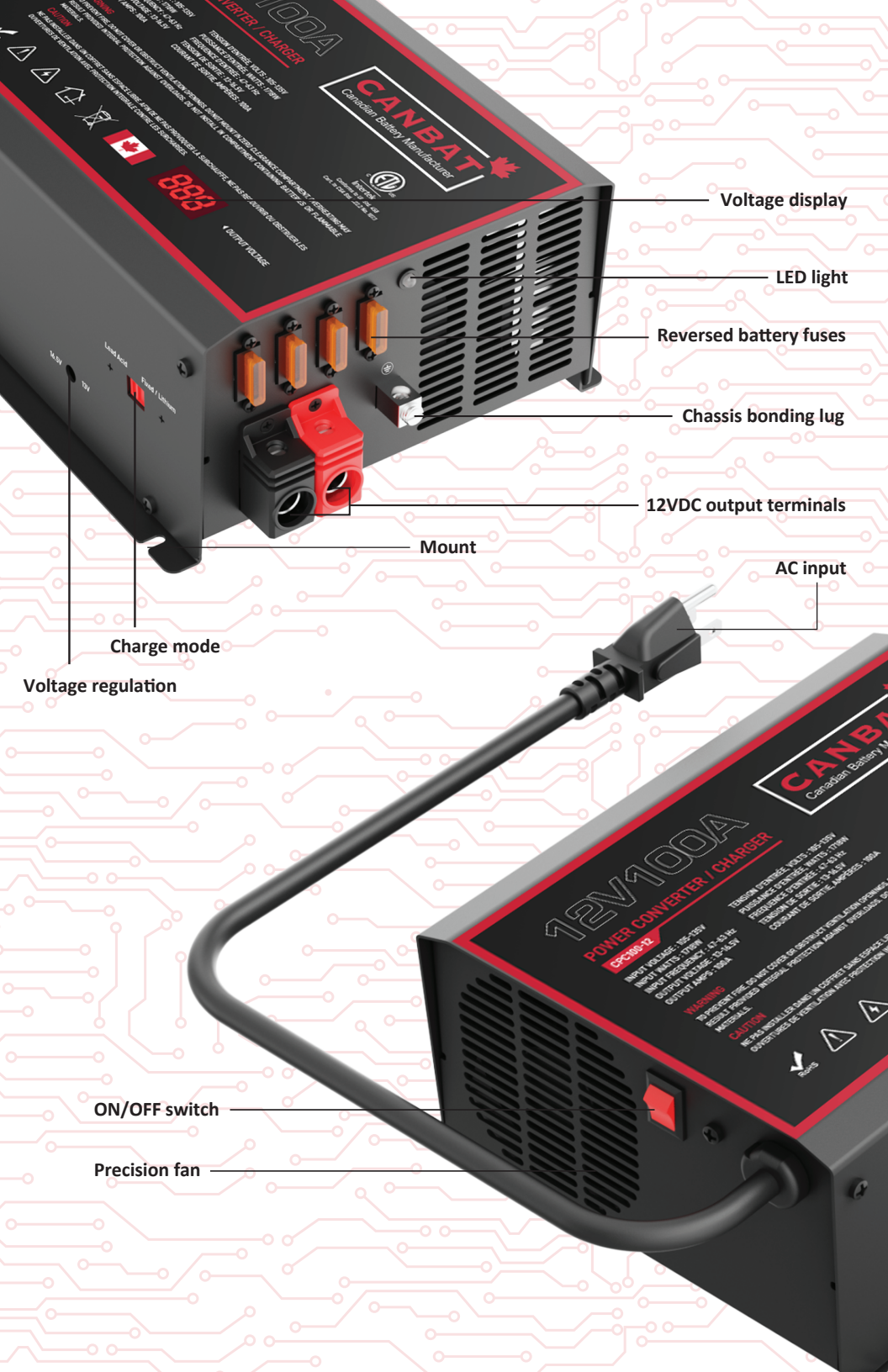


Automatic multi-stage charging to prevent battery sulfation and stratification. Particularly important for charging lead-acid and lead-carbon batteries.



Backed by Canbat's 5-year manufacturer warranty. This is the highest warranty on all power converters across Canada and the United States.





Voltage display

LED light

Reversed battery fuses

Chassis bonding lug

12VDC output terminals

AC input

Mount

Charge mode

Voltage regulation

ON/OFF switch

Precision fan