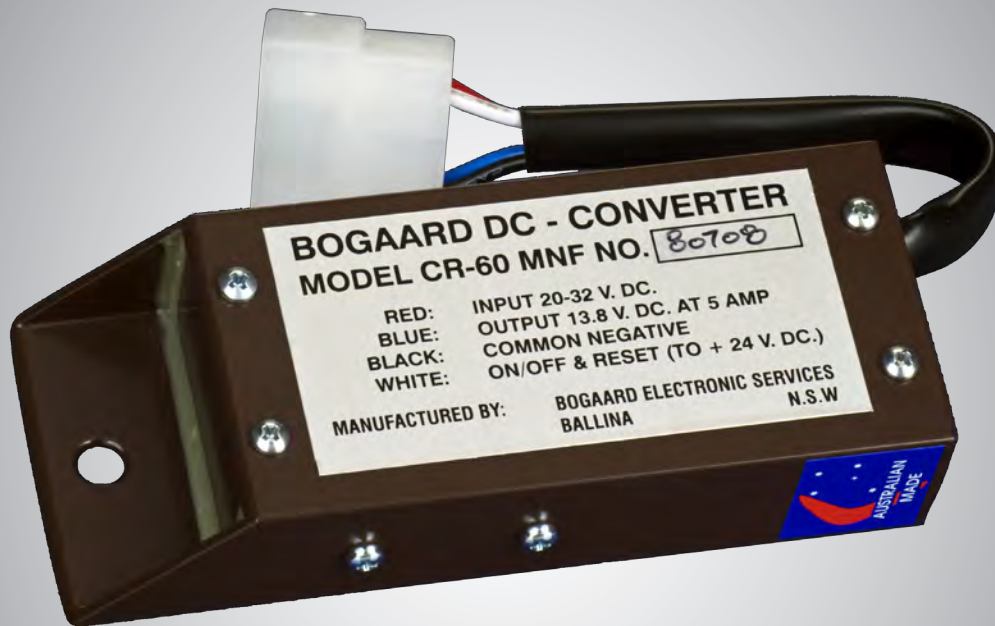


COOL CONTINUOUS 12 VOLT POWER SOURCES FOR YOUR 24 VOLT TRUCK OR BOAT



bogaard DC converters

- 3 models with ample capacity for 12 volt equipment from CB radios through to refrigerators & ABS braking
 - Without the unreliability problems which **heat** brings
 - Slim, compact and fully protected
 - Remote **ON/OFF** and **RESET**

ABOUT BOGAARD

- All products are designed, manufactured & serviced in Australia
- Specialists in automotive electrical & timing devices for 20 years
 - 24 months warranty - unlimited kilometres

General Information

All Bogaard DC Converters are protected against short circuit, excessive current & overheating.

If the internal circuit breaker is tripped by any of these conditions, momentarily interrupting the +24 volt supply to the white wire will operate the reset switch & restore +12 volt output to the load.

Installation

Disconnect the vehicle battery before installing the converter. A fuse in the red wire (+24 volt supply circuit) is recommended; 5 amp for the CR-60 model, 10 amp for the CR-150HD model & 25 amp for the CR-500 model.

Connect the converter as follows:

- **Red** wire to +24 volt supply
- **Black** wire to negative earth (vehicle chassis)
- **Blue** wire to +12 volt load
- **White** wire is the converter output control wire & connects to +24 volt via a small switch (not supplied) to act as a master ON/OFF & RESET control.

Specifications

		CR-60	CR-150HD	CR-500
Input Voltage :	Nominal :	20 - 32 volts	20 - 32 volts	20 - 32 volts
	Maximum :	36.0 volts	36.0 volts	36.0 volts
Output Voltage :	Nominal :	13.8 volts	13.8 volts	13.8 volts
Output Current :	At 13.8 volts :	5.0 amps	11.0 amps	30.0 amps
Overload Current:	As for Output Current at 13.8 volts for up to 5 minutes depending upon housing temperature & ambient conditions :	7.0 amps	20.0 amps	40.0 amps
Regulation :	20 - 32 volt input variation :	< 0.2 volts	< 0.25 volts	< 0.5 volts
	0 - 5 amps output variation :	< 0.2 volts		
	0 - 11 amps output variation :		< 0.5 volts	
	0 - 30 amps output variation :			0.7 volts
Cut Out Temperature :	Housing, degrees Celsius :	70 - 80	70 - 80	80 - 90
ON - OFF Control Current :		< 10 ma	< 10 ma	< 20 ma
Dimensions :	Housing, millimetres :	120 x 50 x 25	210 x 50 x 25	210 x 145 x 60

Bogaard DC Converters are distributed world wide by:

BOGAARD DISTRIBUTORS

PO Box 22 Mt Colah NSW 2079 Australia T: 02 9477 2497 F: 02 9482 1278

www.bogaard.com.au

Available from:

- Car & Truck Dealers
- Diesel Engineers

- Turbo Specialists
- Auto Accessory Outlets

- Off Road Specialists
- Auto Electricians