E1203 30AMP VOLTAGE CONVERTER 48V – 12V

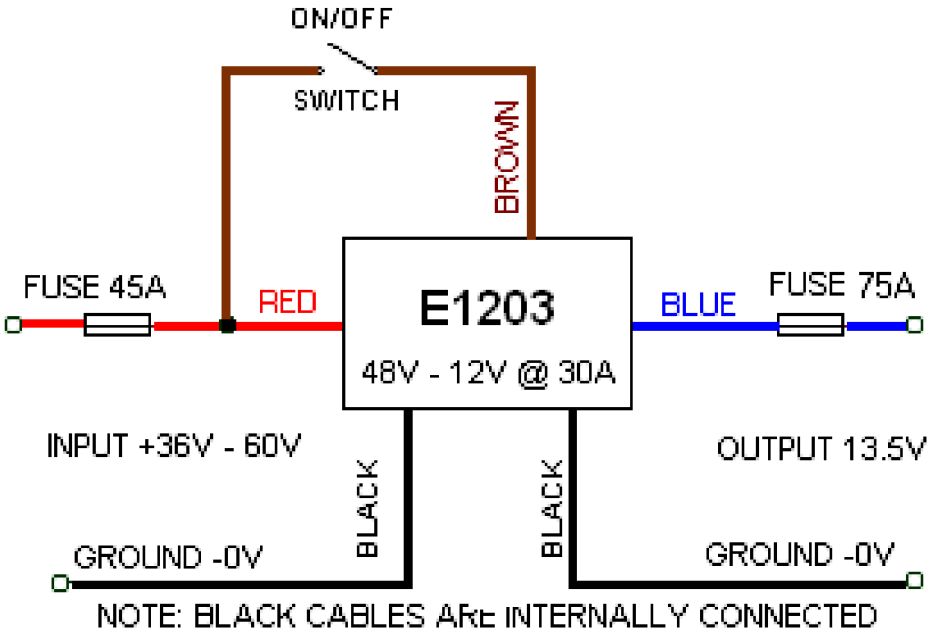
48V – 12V VOLTAGE CONVERTER 30AMP
HIGH SPECIFICATION
MANUFACTURED IN THE UK



- **PART NO: E1203**
- **TYPE: SWITCH MODE VOLTAGE DROPPER**
- **RATING: 30 AMPS**
- **MAX CONTINUOUS O/P CURRENT: 30 AMPS**
- **PEAK OUTPUT CURRENT: 57 AMPS**
- **INPUT VOLTAGE: 36V – 60V DC**
- **OUTPUT VOLTAGE: 13.5V DC**
- **OVERLOAD PROTECTION: YES**
- **OUTPUT PROTECTED: YES**
- **POLARITY PROTECTED: YES**
- **OPERATING TEMPERATURE: 40 DEG.C TO + 70 DEG.C**
- **HIGH TEMP PROTECTED: YES**
- **SHORT CIRCUIT PROTECTION: YES**
- **OVER VOLTAGE PROTECTION: YES**
- **EFFICIENCY: 90%**
- **LOAD REGULATION: 0.3V**
- **DIMENSIONS: 330mm X 230mm X 60mm**
- **HOLE SIZE: 6mm**
- **WEIGHT: 2312g**
- **CONSTRUCTION: 3 X E747 10A CONVERTER MOUNTED ON A SINGLE ALUMINIUM PLATE**

MODELS ALSO AVAILABLE: 10AMP / 20AMP / 40AMP / 50AMP / 60AMP / 70AMP / 80AMP

OEM AND TRADE ENQUIRIES WELCOME



EURO MANUFACTURING AND MARKETING LIMITED
Euro Works, 11-13 High Street, Wem, Shropshire SY4 5AA, England.
Tel: +44 (0) 1939 235073 Fax: +44 (0) 1939 235074
Email: sales@eurogroup-gb.com OR sales@battery-management-voltage-converter.com
Web Site: www.eurogroup-gb.com OR www.battery-management-voltage-converter.com

BEFORE INSTALLATION YOU NEED TO PURCHASE:
1 X 1A AUTOMOTIVE BLADE FUSE (COLOUR: BLACK)
1 X INLINE FUSE HOLDER (TO TAKE BLADE FUSES)

RECOMMENDED MINIMUM CABLES SIZES:
INPUT (RED): 16.0mm^2 CONDUCTOR CROSS SECTION (126/0.40mm)
OUTPUT (BLUE): 16.0mm^2 CONDUCTOR CROSS SECTION (126/0.40mm)
GROUND (BLACK): 16.0mm^2 CONDUCTOR CROSS SECTION (126/0.40mm)
CONTROL (BROWN): 1.0mm^2 CONDUCTOR CROSS SECTION (32/0.2mm)

INSTALLATION INSTRUCTIONS:

1. **CONNECT THE BLUE OUTPUT LEAD TO THE +VE CONNECTION ON YOUR 12V EQUIPMENT**
2. **CONNECT ONE BLACK LEAD TO THE –VE CONNECTION OF THE 12V EQUIPMENT**
3. **CONNECT ONE BLACK LEAD TO GROUND, IE: THE VEHICLE CHASSIS OR TO THE –VE CONNECTION OF THE 48V SUPPLY / BATTERY**
4. **CONNECT THE RED INPUT LEAD TO YOUR 48V +VE SUPPLY / BATTERY**
5. **THE BROWN CONTROL LEAD GIVES YOU THE OPTION TO SWITCH THE VOLTAGE CONVERTER ON AND OFF USING A STANDARD LOW CURRENT SWITCH.**
6. **ALTERNATIVELY YOU CAN CONNECT THE BROWN CONTROL LEAD DIRECTLY TO THE POSITIVE INPUT, IE: THE +VE CONNECTION ON THE 48V BATTERY (FITTING 1 X INLINE FUSE HOLDER WITH 1A BLADE FUSE BETWEEN THE 48V BATTERY AND THE VOLTAGE CONVERTER AS SHOWN ON WIRING DIAGRAM SUPPLIED WITH UNIT) WHICH WILL ENABLE YOU TO RUN THE VOLTAGE CONVERTER ALL THE TIME.**

IF IN DOUBT, PLEASE CONSULT AN AUTOMOTIVE ELECTRICIAN OR TELEPHONE US ON 01939 235073

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