

E1165 – MOD1 90AMP VOLTAGE CONVERTER 24V – 12V

Run 12V Gritter on 24V Vehicle

24V – 12V VOLTAGE CONVERTER 90AMP
HIGH SPECIFICATION
MANUFACTURED IN THE UK

- PART NO: E1165
- TYPE: SWITCH MODE DROPPER
- RATING: 90 AMP
- MAX CONTINUOUS O/P CURRENT: 90 AMP
- PEAK OUTPUT CURRENT: 120 AMP
- INPUT VOLTAGE: 18 – 30V DC
- OUTPUT VOLTAGE: 13.5V DC
- OVERLOAD PROTECTION: YES
- OUTPUT PROTECTED: YES
- POLARITY PROTECTED: YES
- OPERATING TEMPERATURE: - 40 TO + 70 DEG.C
- HIGH TEMP PROTECTED: YES
- SHORT CIRCUIT PROTECTION: YES
- OVER VOLTAGE PROTECTION: YES
- EFFICIENCY: > 90%
- LOAD REGULATION: 0.3V
- CONSTRUCTION: 6 X E710 15A DROPPER MOUNTED ON A SINGLE ALUMINIUM PLATE



MODELS ALSO AVAILABLE: 15AMP / 30AMP / 45AMP / 75AMP / 90AMP

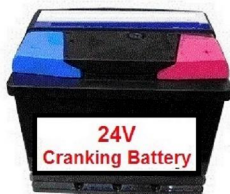
OEM AND TRADE ENQUIRIES WELCOME

24V to 12V Voltage Converter

Power 12V Gritter from 24V Vehicle

Models available from 15Amp to 90Amp

**24V Vehicle
Alternator**



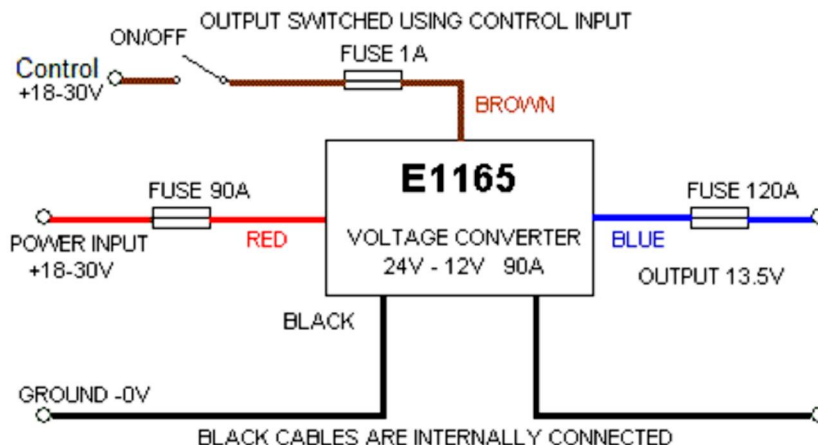
Input

90A Voltage Converter



Output

12V Gritter



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PLEASE READ INSTRUCTIONS BEFORE FITTING:-

RECOMMENDED MINIMUM CABLES SIZES:

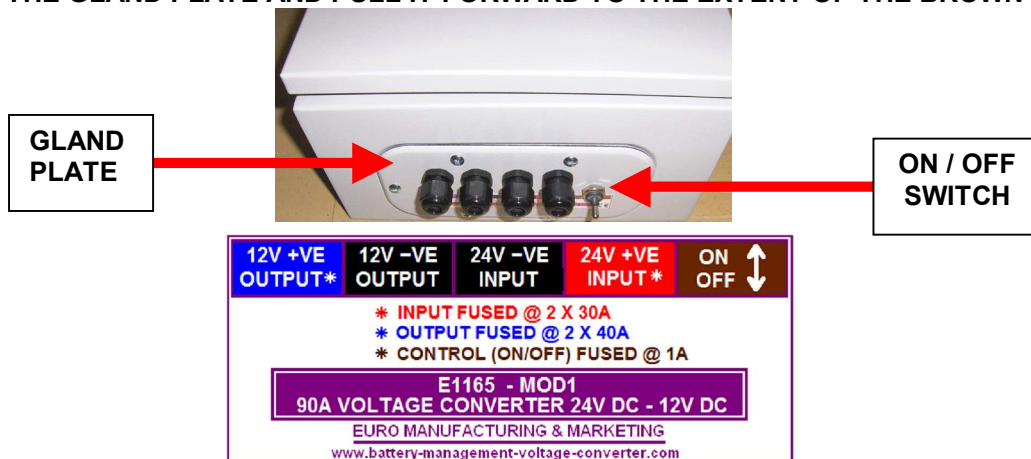
INPUT (RED): 35mm² CONDUCTOR CROSS SECTION (451/0.3mm)

OUTPUT (BLUE): 35mm² CONDUCTOR CROSS SECTION (451/0.3mm)

GROUND (BLACK): 35mm² CONDUCTOR CROSS SECTION (451/0.3mm)

CONTROL (BROWN): 1.0mm² CONDUCTOR CROSS SECTION (32/0.2mm)

1. UNLOCK FRONT DOOR
2. REMOVE THE GLAND PLATE AND PULL IT FORWARD TO THE EXTENT OF THE BROWN LEADS



3. UNDO THE 3 NUTS, FLAT WASHERS AND SPRING WASHERS THAT SECURE THE 4 CABLE LUGS
4. STRIP THE CABLE READY FOR CRIMPING
5. FEED THE 4 CABLES THROUGH THE CABLE GLANDS MOUNTED ON THE GLAND PLATE, ALLOWING SUFFICIENT CABLE THROUGH THE CABLE GLANDS TO MAKE IT EASY TO FIT THE 4 CABLE LUGS AND CRIMP
6. BEFORE FITTING THE CABLE LUGS, FEED OVER THE CABLE THE 4 X SHRINK ON SLEEVES (2 BLACK / 2 RED)
7. CRIMP THE 4 CABLE LUGS, PUSH THE HEAT SHRINK SLEEVES OVER THE LUGS, CAREFULLY APPLY HEAT AND SHRINK OVER THE CRIMP PART OF THE LUG
8. REFIT THE LUGS OVER THE TERMINALS IN THE CORRECT ORDER
9. REPLACE THE FLAT WASHERS, SPRING WASHERS AND NUTS IN THE CORRECT ORDER AND TIGHTEN THE NUTS, MAKING SURE THAT THE NUTS HAVE BEEN TIGHTENED SUFFICIENTLY – BEARING IN MIND THAT THERE IS A LARGE AMOUNT OF CURRENT PASSING THROUGH THESE CONNECTIONS.
10. CAREFULLY SLIDE THE GLAND PLATE BACK INTO POSITION, TIGHTENING ALL 6 SECURING SCREWS
11. TIGHTEN THE GLAND NUTS TO SECURE THE CABLE.

ON / OFF SWITCH

AN ON / OFF SWITCH IS FITTED TO THE GLAND PLATE.

WHEN THE TOGGLE IS SWITCHED TO FACE THE FRONT OF THE CABINET, THE VOLTAGE CONVERTER IS SWITCHED ON

THE SWITCH MUST BE SWITCHED ON BEFORE THE GRITTER IS ENGAGED, IE: SWITCHED ON

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