# E1425 10AMP BATTERY CHARGER 72V – 12V

**72V – 12V BATTERY CHARGER 10AMP**
***Charge a 12V Battery from a 72V Battery System***
**HIGH SPECIFICATION**
**MANUFACTURED IN THE UK**



- **PART NO: E1425**
- **TYPE: SWITCH MODE BATTERY CHARGER**
- **RATING: 10 AMPS**
- **MAX CONTINUOUS O/P CURRENT: 10 AMPS**
- **PEAK OUTPUT CURRENT: > 10.5 AMPS**
- **INPUT VOLTAGE: 60V – 90V DC**
- **OUTPUT VOLTAGE: 14.05V DC**
- **OVERLOAD PROTECTION: YES**
- **OUTPUT PROTECTED: YES**
- **POLARITY PROTECTED: EXTERNAL FUSE**
- **OPERATING TEMPERATURE: - 40 DEG.C TO + 70 DEG.C**
- **HIGH TEMP PROTECTED: YES**
- **SHORT CIRCUIT PROTECTION: YES**
- **OVER VOLTAGE PROTECTION: YES**
- **EFFICIENCY: > 90%**
- **DIMENSIONS: 155mm X 70mm X 53mm**
- **FIXING CENTRES: 138mm X 40mm (4 HOLE FIXING)**
- **HOLE SIZE: 5.5mm**
- **WEIGHT: 447g**
- **CONSTRUCTION: ANODISED COOLING PROFILE**

**MODELS ALSO AVAILABLE: 20AMP / 30AMP / 40AMP**

**OEM AND TRADE ENQUIRIES WELCOME**

**WHY NOT VISIT OUR WEBSITES TO VIEW THE OTHER PRODUCTS WE MANUFACTURE:**

**http://www.battery-management-voltage-converter.com**
**This site covers our:**
- **Battery Management Systems**
- **Split Charge Controllers**
- **DC-DC Battery Chargers**
- **DC-DC Voltage Converters**
- **Trailer Voltage Converters**
- **Battery Status Indicators**
- **Voltage Sensitive Switches.**

**http://www.eurogroup-gb.com**
**This site covers our Range of:**
- **Water Level Monitors**
- **Water Level Probes**
- **Temperature Monitors**
- **Temperature Probes**
- **Air Conditioning Fan Control Units**
- **Vehicle Flashers and Interrupters**
- **Light Control Units**
- **Oil Level Monitors**
- **Oil Level Probes**
- **Hydraulic Control Units**
- **Audible Warning Devices**
- **Reversing Alarms**
- **Timers**
- **Vehicle Safety and Security Units**
- **Digital Speed Switches**
- **Solenoid Controllers**
- **Relays, Connectors, Lamps, Switches**
- **Earth Straps**
- **Looms and Wiring Harnesses**
- **Transformer and Coil Winding**
- **Mechanical Assembly**
- **Special Purpose Electrical / Electronic Assembly**
- **Encapsulation and Formal Coating**
- **Vacuum Formed Parts**
- **Printed Circuit Board Assembly**

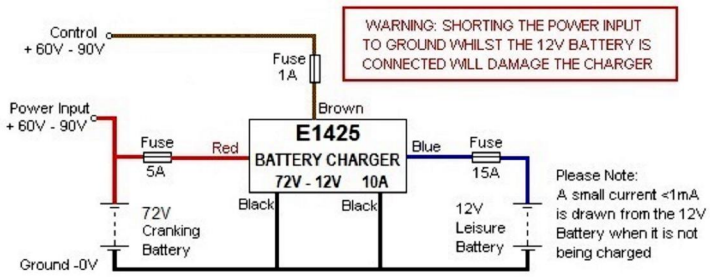
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**Web Site: www.eurogroup-gb.com OR www.battery-management-voltage-converter.com**

**BEFORE INSTALLATION YOU NEED TO PURCHASE:**
**1 X 1A AUTOMOTIVE BLADE FUSE**
**1 X 5A AUTOMOTIVE BLADE FUSE**
**1 X 15A AUTOMOTIVE BLADE FUSE**
**3 X INLINE FUSE HOLDER (TO TAKE BLADE FUSES)**

**This Battery Charger allows you to charge a 12V Battery from a 72V Battery System.**

**The Battery Charger can be wired in 3 ways:-**

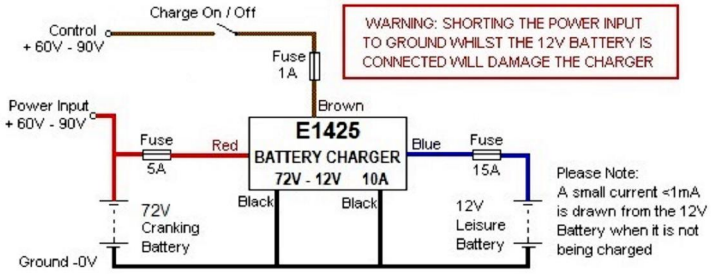
**Wired as a fully automatic Charger (continuous running)**
**The Brown Control Wire is wired directly to the +ve Connection of the 72V Cranking (Donor) Battery to run the Charger all the time.**
**The Unit automatically controls the maximum charge into the 12V Leisure (Recipient) Battery preventing it from becoming over-charged / damaged.**




**Wired to only operate when the engine is running**
**The Brown Control Wire is wired to any +ve connection which becomes live when the Ignition is switched on.**
**The Unit automatically controls the maximum charge into the 12V Leisure (Recipient) Battery preventing it from becoming over-charged / damaged.**

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**Wired as a manually operated Charger**
**The Brown Control Wire is wired via a Switch to the +ve Connection of the 72V Cranking (Donor) Battery to switch the Charger on and off manually.**
**In this case the Operator can control when the Battery Charger is switched on or off.**
**If left on, the Unit will automatically control the maximum charge into the 12V Leisure (Recipient) Battery preventing it from becoming over-charged / damaged.**




**INSTALLATION INSTRUCTIONS:**

1. **CONNECT ONE BLACK LEAD TO THE -VE CONNECTION OF THE 12V BATTERY**

2. **CONNECT ONE BLACK LEAD TO GROUND, IE: THE VEHICLE CHASSIS OR TO THE -VE CONNECTION OF THE 72V BATTERY**

3. **CONNECT THE BLUE LEAD TO THE +VE CONNECTION OF THE 12V LEISURE / AUXILIARY BATTERY (FITTING 1 X INLINE FUSE HOLDER WITH 15A BLADE FUSE BETWEEN THE 12V BATTERY AND THE BATTERY CHARGER AS SHOWN ON WIRING DIAGRAM SUPPLIED WITH UNIT)**

4. **CONNECT THE RED LEAD TO THE +VE CONNECTION OF THE 72V CRANKING BATTERY (FITTING 1 X INLINE FUSE HOLDER WITH 5A BLADE FUSE BETWEEN THE 72V BATTERY AND THE BATTERY CHARGER AS SHOWN ON WIRING DIAGRAM SUPPLIED WITH UNIT)**

5. **THE BROWN CONTROL LEAD GIVES YOU THE OPTION TO SWITCH THE BATTERY CHARGER ON AND OFF USING A STANDARD LOW CURRENT SWITCH.**

6. **ALTERNATIVELY YOU CAN CONNECT THE BROWN LEAD DIRECTLY TO THE POSITIVE INPUT, IE: THE +VE CONNECTION ON THE 72V BATTERY (FITTING 1 X INLINE FUSE HOLDER WITH 1A BLADE FUSE BETWEEN THE 72V BATTERY AND THE BATTERY CHARGER AS SHOWN ON WIRING DIAGRAM SUPPLIED WITH UNIT) WHICH WILL ENABLE YOU TO RUN THE BATTERY CHARGER ALL THE TIME.**

7. **ALTERNATIVELY YOU CAN CONNECT THE BROWN LEAD DIRECTLY TO ANY +VE CONNECTION WHICH BECOMES LIVE WHEN THE IGNITION IS SWITCHED ON (FITTING 1 X INLINE FUSE HOLDER WITH 1A BLADE FUSE BETWEEN THE +VE 72V CONNECTION AND THE BATTERY CHARGER AS SHOWN ON WIRING DIAGRAM SUPPLIED WITH UNIT) WHICH WILL ENABLE YOU TO RUN THE BATTERY CHARGER ONLY WHEN THE ENGINE IS RUNNING**

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