

LEMANIA**ENERGY**
Switzerland 

BATTERY EQUIPMENT
START BOOSTER, CHARGER, TESTER

July 2022

DC BATTERY
TECHNOLOGIES LTD
The Deep Cycle & Direct Current Battery Specialists


GACELL
The right battery


Industriebatterien
Stromversorgungssysteme


DE HOEVE
MULTIPOWER



**For 30 years Lemania Energy has manufactured
the world's highest quality Start Boosters in Geneva
Switzerland.**

In 1991 the first Start Booster was created at our factory in Switzerland. We quickly took the market by storm offering a new innovative product that professionals everywhere needed. We didn't stop there, ever since the first Start Booster was produced we have continuously developed our technologies, guaranteeing their industry leading performance year after year.

We continuously strive for excellence in our design, manufacturing and testing of our products to ensure their extreme performance and quality.

Engineered to last and built to perform.

START BOOSTER TECHNOLOGY

START BOOSTER

Portable power has never been more dependable, our 6V and 12V start boosters provide reliable power to motorcycles, cars, vans and classic cars. The latest and best battery technology provides the power to guarantee a hassle-free start, every time.

START TRUCK

These heavy duty boosters are equipped with dual battery technology providing both 12V and 24V power. Our specially designed batteries provide high peak amps to start even the heaviest of vehicles with the highest of compression diesel engines

AGM BATTERY

Battery based boosters offer time-tested reliability, combining specifically designed batteries with honed assembly techniques and the highest quality of components creating a reliable and dependable product.

PRO-CAPACITOR

Pro-cap boosters use the latest and most powerful capacitor technology to offer the highest peak amperages possible as well as an unlimited number of starts

LITHIUM

Using the very latest in vented Lithium battery technology we are able to deliver a professional range of high performance lithium batteries able to start even the heaviest of duty vehicles. Where weight is an issue these Lithium boosters are your best bet.

HYBRID AGM

Hybrid boosters combine both the best AGM battery technology with the latest advances in capacitors providing high peak amps and longer cranking duration. These are highly professional units which are fit for the toughest jobs.





CONTENTS

06-09 AGM BOOSTERS

10-11 ULTRACAPACITORS

12-13 HYBRID BOOSTERS

14-15 LITHIUM SMART BOOSTERS

16-17 SMART CHARGERS GX-SERIES

18-19 SMART CHARGERS LEM-SERIES

20-21 FLASH CHARGERS

22-23 TESTERS

24-25 OBD MSV - WORKLIGHTS

PROFESSIONAL START BOOSTER

LED CHARGE
INDICATOR

HIGH GRADE
CABLES

P10 1600

TECHNOLOGY AGM

COMPACT CASE

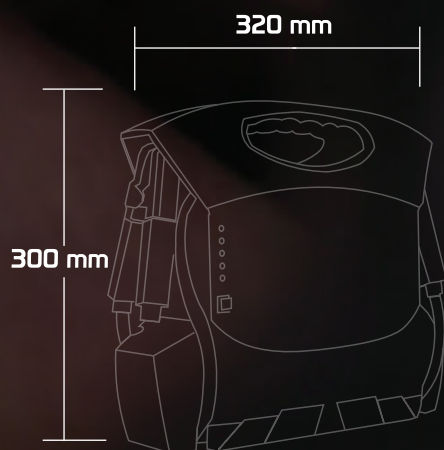
BATTERY 15 Ah

LED VOLTMETER

PEAK
AMPS **1600A**

INDUSTRIAL PURE BRASS
CLAMPS

12V SWISS  MADE



LED CHARGE
INDICATOR

ULTRA HIGH
GRADE CABLES

P12500

TECHNOLOGY AGM

HEAVY DUTY

BATTERY 22 Ah

LED VOLTMETER

PEAK
AMPS **2500A**

INDUSTRIAL PURE BRASS
CLAMPS

12V SWISS  MADE



Also available with a
25Ah battery :
ref. **P1-3100**

PEAK
AMPS **3100A**

AGM BATTERY

500A SAFETY FUSE
Ref. 0860 

ON/OFF SWITCH

REVERSE POLARITY ALARM

P15 2500

TECHNOLOGY AGM

500A SAFETY FUSE

BATTERY 22 Ah

LED VOLTMETER

PEAK AMPS **2500A**

INDUSTRIAL PURE BRASS CLAMPS

12V SWISS MADE 



500A SAFETY FUSE
Ref. 0860 

LED CHARGE INDICATOR

ON/OFF SWITCH

P23 3100 + P27* 3.8A CHARGING STATION

TECHNOLOGY AGM

REVERSE POLARITY ALARM

BATTERY 25 Ah

500A SAFETY FUSE

PEAK AMPS **3100A**

INDUSTRIAL PURE BRASS CLAMPS

12V SWISS MADE 



*optional

07

PROFESSIONAL START BOOSTER



REVERSE POLARITY ALARM

12-24V SWITCH

500A SAFETY FUSE
Ref. 0860 

P2-ST 12/24V-25



TECHNOLOGY AGM

BATTERIES 2X25 Ah

DIGITAL VOLTMETER

PEAK
AMPS **6200/3100A**

LARGE INDUSTRIAL PURE
BRASS CLAMPS

12/24V SWISS
MADE 



AGM BATTERY

500A SAFETY FUSE
Ref. 0860 

REVERSE POLARITY ALARM

12-24V SWITCH

SAFETY FUSE

P2-ST 12/24V-22

TECHNOLOGY AGM

500A SAFETY FUSE

BATTERIES 2X22 Ah

DIGITAL VOLTMETER

PEAK AMPS **5000/2500A**

LARGE INDUSTRIAL PURE BRASS CLAMPS

12/24V SWISS MADE 



500A SAFETY FUSE
Ref. 0860 

REVERSE POLARITY ALARM

12-24V SWITCH

SAFETY FUSE

TROLLEY SYSTEM

P15-TR 12/24V

TECHNOLOGY AGM

500A SAFETY FUSE

BATTERIES 2X33 Ah

DIGITAL VOLTMETER

PEAK AMPS **6400/3200A**

LARGE INDUSTRIAL PURE BRASS CLAMPS

12/24V SWISS MADE 



PROFESSIONAL START BOOSTER

**10 SECOND
RECHARGE TIME**



**NO BATTERY
INSIDE**

500A SAFETY FUSE
Ref. 0860



ULTRA LIGHT WEIGHT

**LED CHARGE
INDICATOR**

C4 1800

TECHNOLOGY PROCAP

CAPACITOR 18X600F

PEAK
AMPS **6000A**

12V SWISS
MADE

500A SAFETY FUSE

LED VOLTMETER

PROFESSIONAL GRP
CLAMPS



**15 SECOND
RECHARGE TIME**



**NO BATTERY
INSIDE**

500A SAFETY FUSE
Ref. 0860

REVERSE POLARITY ALARM

ON/OFF SWITCH

SAFETY FUSE

C15 3000

TECHNOLOGY PROCAP

CAPACITOR 6X3000 F

PEAK
AMPS **9000A**

12V SWISS
MADE

500A SAFETY FUSE

LED VOLTMETER

LARGE INDUSTRIAL PURE
BRASS CLAMPS



Also available in **24V:**
ref. **C15-24V**

CAPACITOR 10X1500 F

PEAK
AMPS **8000A**

ULTRACAPACITOR

**15 SECOND
RECHARGE TIME**

500A SAFETY FUSE
Ref. 0860 



**NO BATTERY
INSIDE**

REVERSE POLARITY ALARM

12-24V SWITCH

SAFETY FUSE

TROLLEY SYSTEM

C15-TR 1224

TECHNOLOGY PROCAP

CAPACITOR 10X3400 F

PEAK AMPS **18000/9000A**

500A SAFETY FUSE

DIGITAL VOLTMETER

LARGE INDUSTRIAL PURE
BRASS CLAMPS

12/24V SWISS MADE 



**15 SECOND
RECHARGE TIME**

500A SAFETY FUSE
Ref. 0860 



**NO BATTERY
INSIDE**

12-24V SWITCH

REVERSE POLARITY ALARM

SAFETY FUSE

C7-ST 3400

TECHNOLOGY PROCAP

CAPACITOR 10X3400 F

PEAK AMPS **18000/9000A**

500A SAFETY FUSE

DIGITAL VOLTMETER

LARGE INDUSTRIAL PURE
BRASS CLAMPS

12/24V SWISS MADE 



PROFESSIONAL START BOOSTER

500A SAFETY FUSE
Ref. 0860 

**REVERSE POLARITY
ALARM**

ON/OFF SWITCH

LED VOLTMETER

**INDUSTRIAL PURE
BRASS CLAMP**

H15 600

TECHNOLOGY HYBRID

SAFETY FUSE

AGM + PROCAP

22Ah BATTERY

**PEAK
AMPS 3500A**

CAPACITORS 6X600F

12V SWISS  MADE



500A SAFETY FUSE
Ref. 0860 

**REVERSE POLARITY
ALARM**

ON/OFF SWITCH

LED VOLTMETER

**INDUSTRIAL PURE
BRASS CLAMP**

H15 1500

TECHNOLOGY HYBRID

SAFETY FUSE

AGM + PROCAP

15Ah BATTERY

**PEAK
AMPS 8000A**

CAPACITORS 5X1500F

12V SWISS  MADE

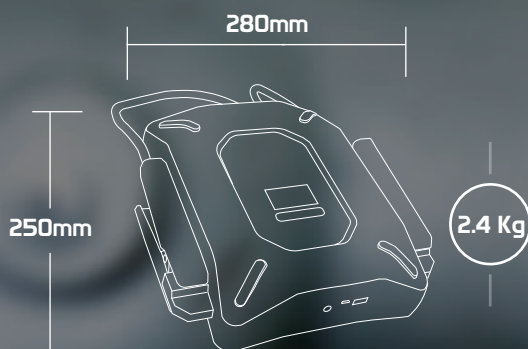


HYBRID

**3-5 MINUTE
RECHARGE TIME**



**NO LEAD
NO ACID**



H75

TECHNOLOGY **HYBRID**

ULTRACAP+LITHIUM

PEAK
AMPS **1600A**

12V SWISS  QUALITY

LARGE COPPER CLAMPS

CARRY HANDEL

AUTOMATIC RECHARGE
EMERGENCY START MODE

LED SPOTLIGHT

ON/OFF SWITCH

DIGITAL DISPLAY

LED TORCH



**3-5 MINUTE
RECHARGE TIME**



**NO LEAD
NO ACID**



CONNECT POWER START

H95

TECHNOLOGY **HYBRID**

ULTRACAP+LITHIUM

PEAK
AMPS **2000A**

12V SWISS  QUALITY

LARGE COPPER CLAMPS

CARRY HANDEL

AUTOMATIC RECHARGE
EMERGENCY START MODE

LED SPOTLIGHT

ON/OFF SWITCH

DIGITAL DISPLAY

LED TORCH



PROFESSIONAL START BOOSTER



ONLY 2.5KG

Carry Handle - Poignée
Handgriff - Maniglia

Work Light - Eclairage LED
Arbeitslampe - Lampada

SOS Light - Lumière SOS
SOS-Licht - Luce di SOS

12V DC Output - Sortie 12V DC
12V DC Ausgang - Uscita 12V DC

2x USB Output - Sortie USB
USB-Ausgang - Uscita USB

Charging Input - Port de Charge
Ladeeingang - Ingresso per la ricarica

Robust Case - Boîtier renforcé
Robustes Gehäuse - Scocca rinforzata



XTRASAFE PROTECTION SYSTEM



XtraSafe LiFePo4



Reverse Polarity Protection



Short Circuit Protection



OverCharge Protection

X13

TECHNOLOGY LiFePo₄

LITHIUM 102,400mWh

PEAK AMPS **3400A***

12V SWISS QUALITY

LARGE PROFESSIONAL
CLAMPS

LED SPOTLIGHT

USB POWER OUTPUT
DC 12V CIGAR SOCKET



Ultra-Fast Recharge



DC 12V Output



XTRASAFE LITHIUM

KG ONLY 1.3KG

ON/OFF SWITCH

DIGITAL DISPLAY

LED TORCH

X12

TECHNOLOGY LiFePo⁴

LITHIUM 51,200mWh

PEAK **2200A**^{*}
AMPS

12V SWISS  QUALITY

COMPACT COPPER CLAMPS

CARRY HANDEL

USB POWER OUTPUT

DC12V CIGAR SOCKET

LED SPOTLIGHT



KG ONLY 2.1KG

ON/OFF SWITCH

DIGITAL DISPLAY

LED TORCH

X11

TECHNOLOGY LiFePo⁴

LITHIUM 102,400mWh

PEAK **3200A**^{*}
AMPS

12/24V SWISS  QUALITY

LARGE COPPER CLAMPS

CARRY HANDEL

USB POWER OUTPUT

DC12V CIGAR SOCKET



PROFESSIONAL BATTERY CHARGER

SWISS  QUALITY



Lead Acid



Lithium



Charging Steps



Multi-Step Micro-Processor Controlled Charging



Four separate programs ensure that all batteries, including LiFePo⁴ are fully charged and can be maintained continuously. The adaptive charging program automatically reconditions batteries extending their life and increasing performance.



The dedicated Recondition mode is used to bring life back into deeply discharged or weak old batteries. This special program reactivates the chemical mixture inside the battery allowing it to be brought back to life and used again.



This special mode provides DC 12V power to the vehicle or equipment. It can be used to supply power to the vehicle during battery replacement without losing settings and configurations stored on the on-board computer such as, radio code, throttle trims, seat positions etc.



Once connected the charger will let the user know if the battery needs to be recharged. When the engine is started it will test the alternator to see if the output is correct. If there are any issues with either the battery or the alternator the charger will display this information to the user.

CHARGE – MAINTAIN – TEST – SUPPLY – RESTORE

GX-SERIES

GX2 12V

CHARGING STEPS **8.0**

MAX CHARGING: 1.2-60Ah

IP RATING **IP65**

MAX MAINTAINING: 1.2-100Ah

CHARGING CURRENT **2.0A**



GX5 12V

CHARGING STEPS **10.0**

MAX CHARGING: 1.2-110Ah

IP RATING **IP65**

MAX MAINTAINING: 1.2-160Ah

CHARGING CURRENT **5.0A**



GX10 12V

CHARGING STEPS **10.0**

MAX CHARGING: 24-200Ah

IP RATING **IP65**

MAX MAINTAINING: 24-250Ah

CHARGING CURRENT **10.0A**



GX15 12/24V

CHARGING STEPS **10.0**

MAX CHARGING: 24-300Ah

IP RATING **IP20**

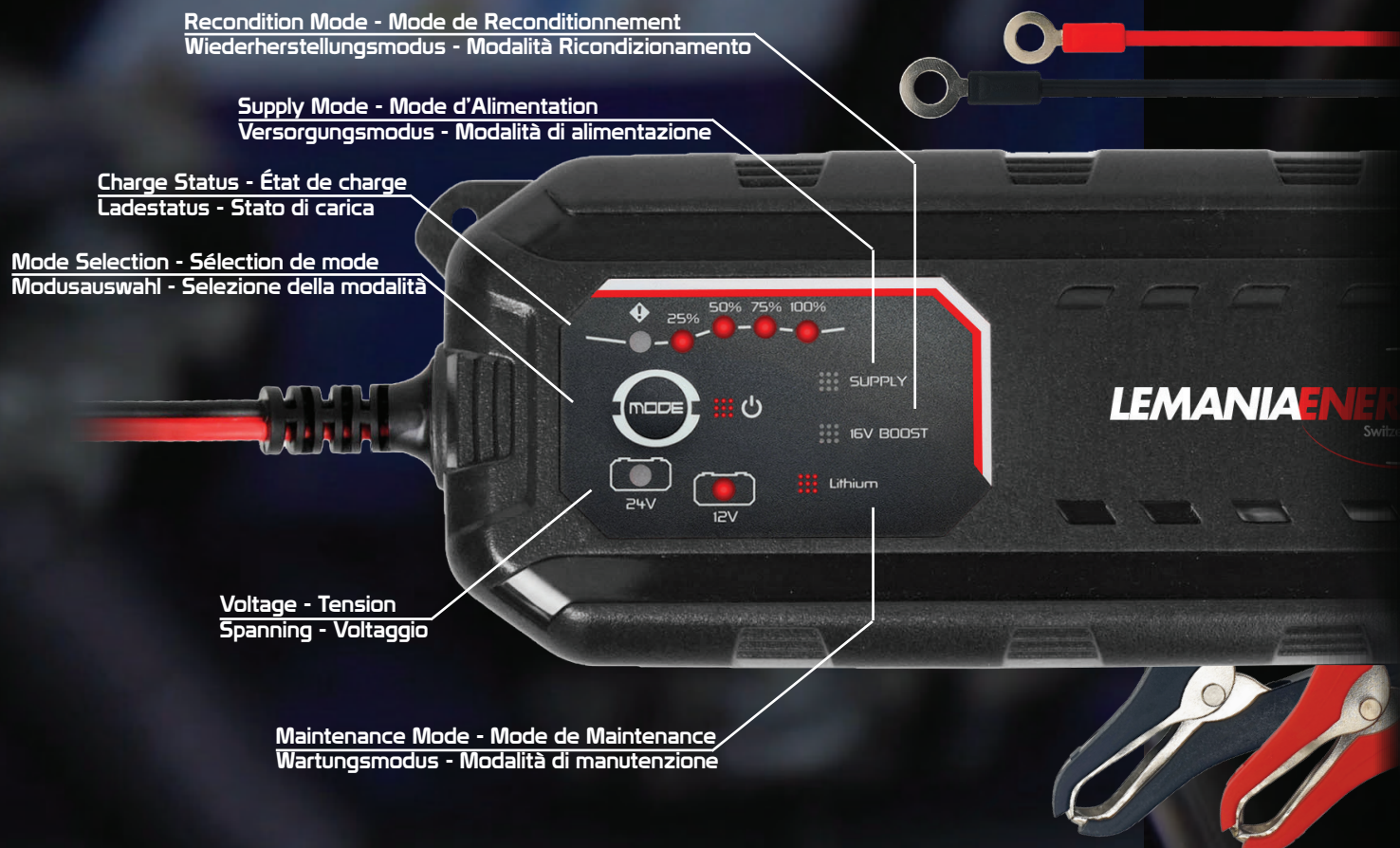
MAX MAINTAINING: 24-500Ah

CHARGING CURRENT **15.0A** ^(12V)



PROFESSIONAL BATTERY CHARGER

SWISS  QUALITY



Lead Acid



Features

The LE-Series of Professional Battery Chargers are microprocessor controlled to ensure that batteries are fully charged and maintained correctly. These chargers are perfectly suited for charging all types of Lead/Acid Batteries and deliver optimal results, extending battery life and increasing power output. Once fully charged batteries can be left permanently connected without any danger of overcharging.

LE1.1 6/12V

1.1A



LE3.8 6/12V

3.8A



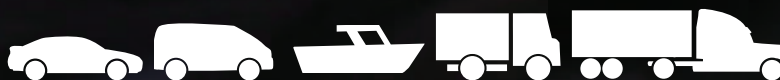
LE7.0 12/24V

7.0A



LE25.0 12/24V

25.0A



CHARGE - MAINTAIN - SUPPLY - RESTORE

LEM-SERIES

LEM61211 6/12V



CHARGING STEPS **7.0**

MAX CHARGING: 2.2-32Ah

IP RATING **IP65**

MAX MAINTAINING: 2.2-100Ah

CHARGING CURRENT **1.1A** ^(12V)



LEM61238 6/12V



CHARGING STEPS **7.0**

MAX CHARGING: 1.2-75Ah

IP RATING **IP65**

MAX MAINTAINING: 1.2-120Ah

CHARGING CURRENT **3.8A** ^(12V)



LEM122470 12/24V



CHARGING STEPS **10.0**

MAX CHARGING: 14-150Ah

IP RATING **IP65**

MAX MAINTAINING: 14-225Ah

CHARGING CURRENT **7.0A** ^(12V)



LEM1224250 12/24V



CHARGING STEPS **10.0**

MAX CHARGING: 50-450Ah

IP RATING **IPX4**

MAX MAINTAINING: 50-500Ah

CHARGING CURRENT **25.0A** ^(12V)



PROFESSIONAL BATTERY SUPPORT UNIT

SWISS  QUALITY



Functions



The Charge mode can be used to recharge and automatically recondition batteries of all types and sizes including LiFePo4. The automatic reconditioning program will bring life back into old and used batteries extending their life. During charging the percentage of charge is displayed on the screen as well as the charging current.



The Charger is able to test both the battery and the starting system of a vehicle. The starting system test will indicate the lowest voltage in the system during cranking as well as displaying the waveform graphically. Both tests can help to rapidly identify any potential issues with a vehicle quickly and without requiring any additional equipment.



In Diagnostic mode the output voltage of the chargers is selectable so that it can be tuned to the requirements of a vehicle. Once supplied with power the vehicle's onboard computers can be tested and re-programmed in a safe and stable environment. This is a critical requirement of modern vehicles with sensitive and expensive onboard electronics.



In Showroom mode the charger will supply the vehicle with all of the power required while it is in demonstration mode. This allows lights, electronic systems and auxiliaries to run continuously while the vehicle is being presented to potential customers without deeply discharging or damaging the vehicles starting battery. The charger can be hidden under the vehicle out of sight.

FLASH SERIES

Functions



F35

TECHNOLOGY FLASH

SELECTABLE 12-15V OUTPUT

PEAK
AMPS **35A**

12/24V SWISS  QUALITY

LARGE COPPER CLAMPS

3.0M CABLES 25mm²

POWER FACTOR
CORRECTION



MAX CHARGING: 20-1200Ah

Lead Acid

Lithium



Functions



F150

TECHNOLOGY FLASH

SELECTABLE 12-15V OUTPUT

PEAK
AMPS **150A**

12V SWISS  QUALITY

LARGE COPPER CLAMPS

3.0M CABLES 25mm²

POWER FACTOR
CORRECTION



MAX CHARGING: 20-1200Ah

Lead Acid

Lithium



T11-PRO

ADVANCED BATTERY TESTER

The T11 12/24V Advanced Battery Tester is capable of diagnosing issues with a vehicles electrical system by analyzing each component. Test the Battery, Alternator, Starter motor and Mass ground accurately and reliably in seconds. Print the results to share the test reports.

SWISS  QUALITY

FEATURES

COMPATIBLE WITH

Lead Acid

AGM

WET

Flooded

MF

Flat+Spiral

EFB

START STOP

GEL

SPIRAL



CARRY CASE INCLUDED

Bright LCD Screen - Écran LCD lumineux
Heller LCD-Bildschirm - Schermo LCD luminoso

Responsive Touchpad - Pavé tactile réactif
Reaktionsschnelles Touchpad - Touchpad reattivo

Integrated Printer - Imprimante intégrée
Integrierter Drucker - Stampante integrata

USB Connection - Connexion USB
USB-Verbindung - Connessione USB



BATTERY TEST



STARTER TEST

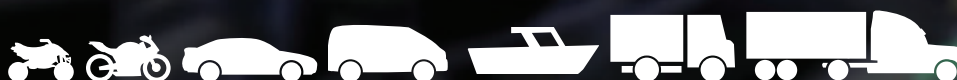


ALTERNATOR TEST
SMART ALTERNATOR
COMPATIBLE



GROUND TEST

T11 12/24V



PROFESSIONAL BATTERY TESTER

Our Professional range of highly accurate Battery Testers are the ultimate tool for professionals. They are able to perform tests on all automotive batteries as well as the Starter, Alternator and Ground of a vehicle in 12V and 24V. Users can enter data using the responsive touch pad; such as the Garage name or VIN number and this information will be printed by the inbuilt Thermal Printer on the test results. The bright, back-lit LCD screen and pictogram based interface make the Tester simple and easy to use.

T2 12v

Lead Acid



12V SWISS  QUALITY



Tactile Keypad



Memory Storage



USB Connection



T6 12v

Lead Acid



12/24V SWISS  QUALITY



Memory Storage



USB Connection



Carry case included

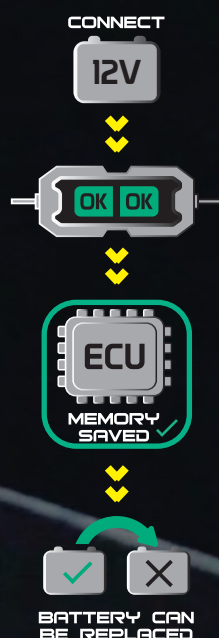


PROFESSIONAL MEMORY SAVERS

MSV

ADVANCED OBD MEMORY SAVER

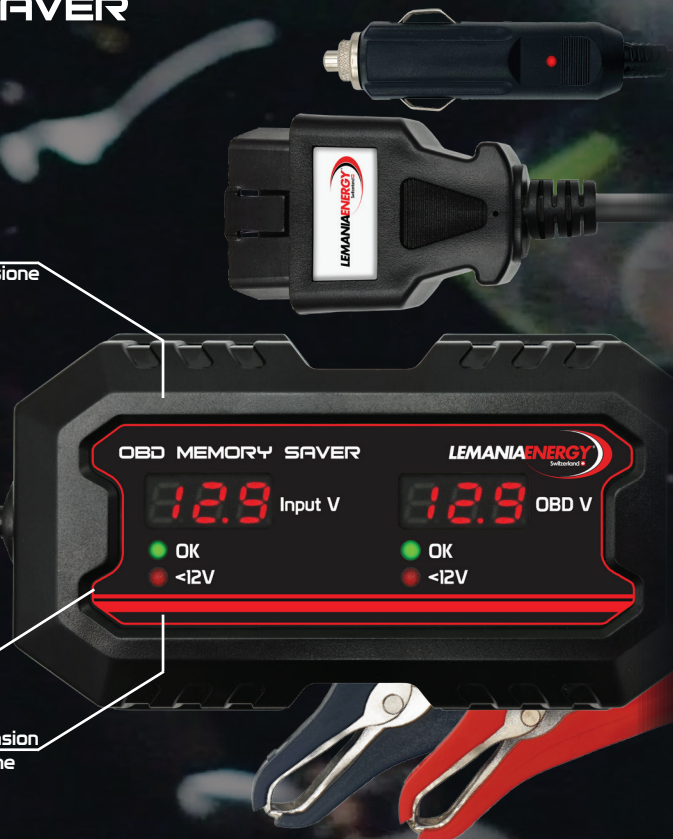
SWISS 
QUALITY



Voltage Display - Affichage de la tension
Spannungsanzeige - Visualizzazione della tensione

Connection Successful - Connexion réussie
Verbindung erfolgreich - Connessione riuscita

Low Voltage Warning - Avertissement de basse tension
Niederspannungswarnung - Avviso di bassa tensione



Features

The MSV OBDII Memory Saver is the ultimate tool to depend on during vehicle battery replacements. Safely bridge the connection between an external battery or power source and the ECU using either the cigar plug or clamp attachments and OBD cable. This quick two-step process prevents the loss of ECU memory such as seat position, multimedia codes, ECU fault codes and learned engine configurations during battery replacement. Never lose a setting again with the MSV OBDII Memory Saver!

OBD-150

OBD MEMORY SAVER

Features

The OBD-150 Memory Saver Cable connects the Leman Energy Start Booster directly to the onboard computer of a vehicle in 12V. This allows the memory configurations and settings of the vehicle to be retained when the battery is removed as the Start Booster will power the computer via the OBD port.



PROFESSIONAL LED WORK LIGHTS

Our powerful range of rechargeable Work Lights allow professionals to get the job done safely. Providing bright light in hard to reach places, our work lights are easy to position and fix in place thanks to their flexible design and powerful magnetic bases. Each Work Light has multiple power levels to balance battery life and brightness to the user's requirement.

W1

TECHNOLOGY **SMDLED**
BATTERY **LITHIUM**

IP RATING **IP54**

LUMINOUS
FLUX **120lm**



W4

TECHNOLOGY **COBLED**
BATTERY **LITHIUM**

IP RATING **IP54**

LUMINOUS
FLUX **600lm**



W6

TECHNOLOGY **SMDLED**
BATTERY **LITHIUM**

IP RATING **IP54**

LUMINOUS
FLUX **1000lm**



W14

TECHNOLOGY **COBLED**
BATTERY **LITHIUM**

IP RATING **IP54**

LUMINOUS
FLUX **500lm**



W9

TECHNOLOGY **COBLED**
BATTERY **LITHIUM**

IP RATING **IP54**

LUMINOUS
FLUX **4500lm**



W24

PREMIUM **TRIPOD**
WITH METAL SUPPORT
FOR W9





alternator
control

charge
control

test

LEMANIA**ENERGY**
Switzerland

START BOOSTER

original

SWISS + MADE





NOTES

Lined area for notes, overlaid on a background image of a car's rear end. The background image shows a silver car with a red and white logo on the left side that reads "GY" and "land +". Below the logo, the text "12V" and "P1" are visible. The lined area consists of horizontal lines for writing.



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