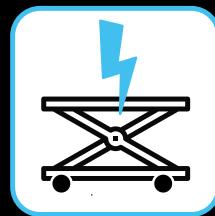
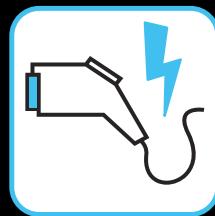
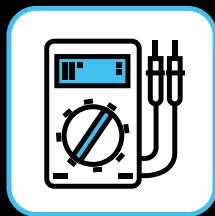
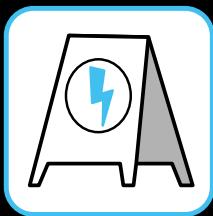




HYBRID & ELECTRIC

Solutions

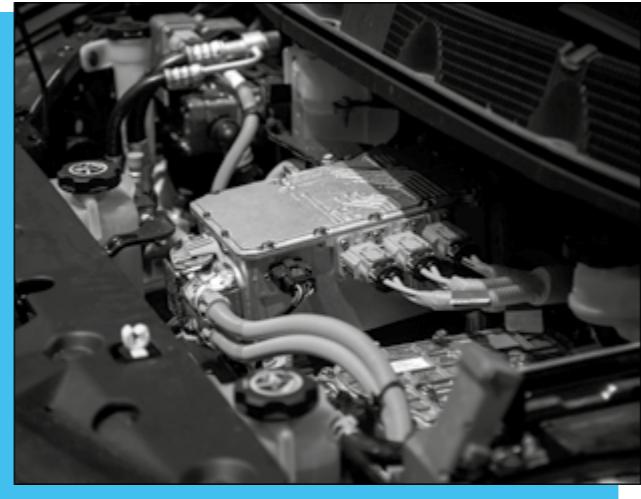


WORKING ON HYBRID AND ELECTRIC VEHICLES

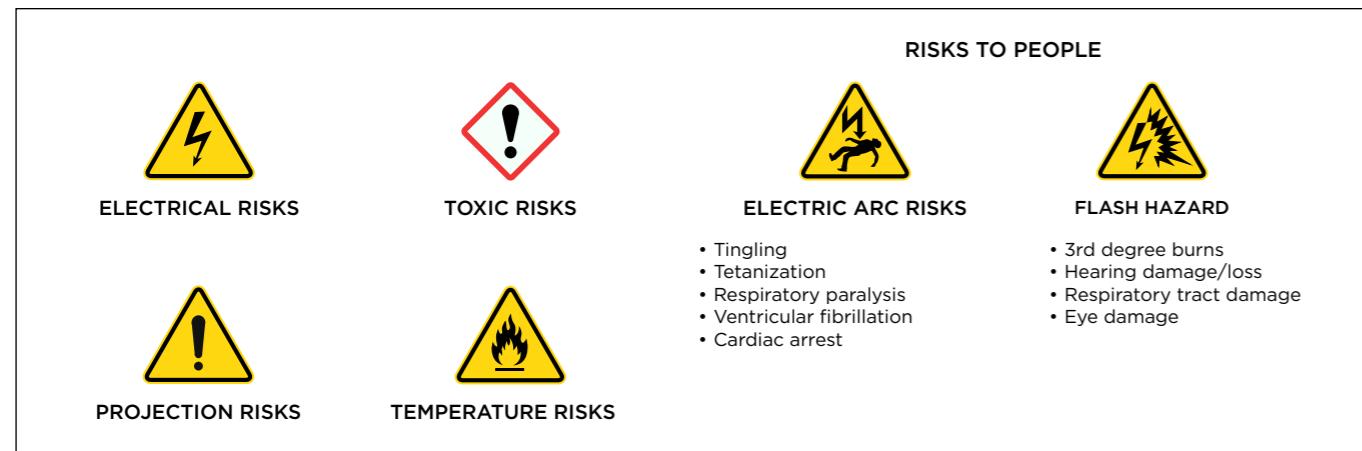
The automotive market has undergone a significant transformation in recent years, marked by the growing adoption of hybrid and electric vehicles.

Nearly 150 million electric and hybrid vehicles will be on the road worldwide by 2030! Equipment adapted to these vehicles is now essential.

CLAS is mobilizing its research and development teams to meet market demand, while complying with current standards.



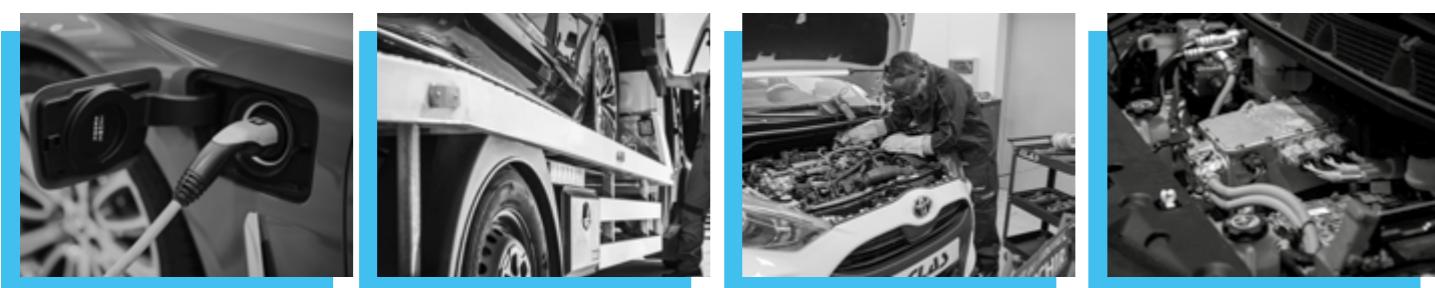
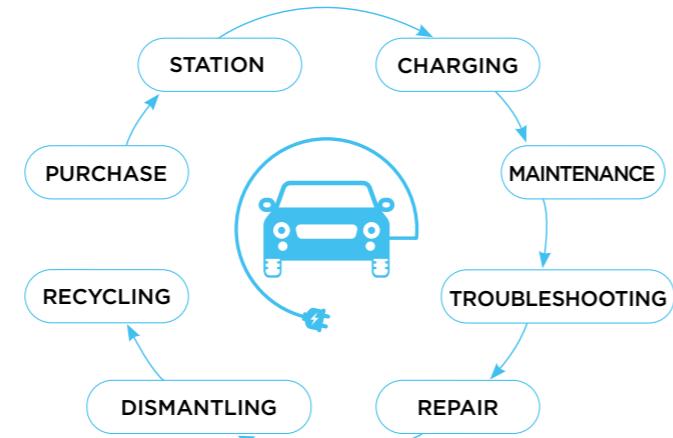
WHAT HAZARDS?



During their lifecycle (from sale to dismantling), HEVs have to undergo a number of interventions to ensure their longevity.

To intervene, it is essential to:

- Comply with current standards (NF C18-550)
- Be informed, trained and authorized
- Be equipped



CLAS
PARTNER OF

CESVI France is the only training and technical research center of its kind in France for the automotive insurance industry. The company, which provides training in electrical authorizations (in particular), has joined forces with CLAS to offer solutions tailored to each profession and each operation.

 **CESVI FRANCE**

ELECTRICAL CERTIFICATIONS

They are essential to guarantee safety when working on hybrid and electric vehicles. Here are the main types of authorization and their uses.

- **BOL** : Basic certification where the user is warned of the electrical risks involved in carrying out work on a mechanical source.
- **BCL** : Habilitation for consignment, the safe de-energizing of the vehicle for work purposes.
- **B1VL, B2VL** : Certification for consignment, i.e. the safe de-energizing of the vehicle for work purposes.
- **B1XL, B2XL** : Certification for technical control, breakdown and towing services, personnel managing the dismantling of electric or hybrid vehicles, or those responsible for vehicle homologation and crash testing.
- **B1TL, B2TL** : Certification to work on the vehicle's traction battery (under voltage)

CLAS has the right equipment for every need and every certification



AUTHORIZATIONS	BCL/B1VL/B2VL	B1XL/B2XL	B1TL/B2TL
Type of intervention	<ul style="list-style-type: none"> • Consignment • De-energized electrical work 	<ul style="list-style-type: none"> • Special intervention 	<ul style="list-style-type: none"> • Energized electrical work
Professions	<ul style="list-style-type: none"> • Technician/diagnostics • Painter • Bodywork • Depollution/recycling 	<ul style="list-style-type: none"> • Rescue/emergency • Breakdown/towing • Technical inspection • Depollution/recycling 	<ul style="list-style-type: none"> • Technician/diagnostics • Depollution/recycling
Dedicated pack	OE 0376	OE 0377	OE 0378



ELECTRICAL CERTIFICATION SETS

BCL/B1VL/B2VL

ELECTRIC/HYBRID VEHICLE CONSIGNMENT SET

OE 0376

This kit is dedicated to professionals working on live electrical work.

Dedicated to consignment officers.



Contents:

- EG3110: tool bag with shoulder strap
- OE3010: VAT safety tester
- OE3011: IP2X black probe
- OE3012: IP2X red touch point
- OE0840: 1000V insulated tool set for hybrid and electric vehicles (27pcs)
- OE0562: lockout bag
- OE0564: lockout padlock
- OE0563: locking disc
- OE0757: insulating bag for 210mmx130mm connector
- OE0758: insulating bag for 305mmx225mm connector
- EG0031: flying hazard cover
- EG0035: electrical danger sign micro suction cup 200mm
- OE0764: self-gripping insulating sheet 660mmx360mm



1000V

B1XL/B2XL

This kit is dedicated to professionals working on specific jobs.
Dedicated to tow trucks, wreckers, technical control, firefighters.

OPTION 1

E-MOBILITY ELECTRIC/HYBRID VEHICLE SET

OE 0377

OR

OPTION 2

PACK E-MOBILITE BACKPACK ELECTRIC/HYBRID VEHICLE

OE 0379



Contents:

- OE0840: 1000V insulated tool set for hybrid and electric vehicles (27pcs)
- OE0764: 660mmx360mm self-gripping insulating blanket
- OE0844 (x4): insulated fixing clamp
- OE0562: lockout bag
- OE0564: lockout padlock
- OE0563: locking disc
- EG0031: hazard steering wheel cover
- EG3120: wheeled case ou EG3130 : backpack

TO CONSIDER

ELECTRICAL INDIVIDUAL PROTECTION EQUIPMENT MASTER SET

OE 0342



1000V

VOLTAGE SAFETY TESTER

OE 3010



TN

RED TOUCH POINT IP2X FOR VAT DEVICE

OE 3012

Accessory for OE 3010



BLACK TOUCH POINT IP2X FOR VAT DEVICE

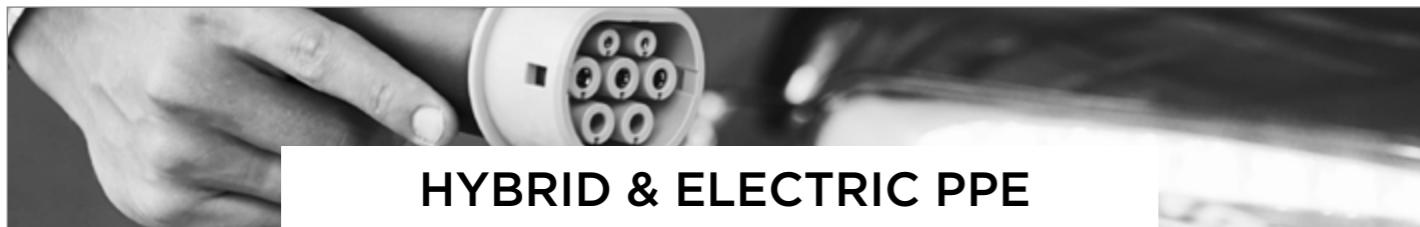
OE 3011

Accessory for OE 3010/OE 3004





FIND THE ALL HYBRID & ELECTRIC PPE RANGE HERE

**ELECTRIC ARC
PROTECTIVE JACKET**

OE 0470	S
OE 0471	M
OE 0472	L
OE 0473	XL
OE 0474	2XL

Specifications:

- Arc flash class 1, ATPV 12 cal/cm², - Standards: EN
- standards: EN 13034: 2005 / EN 1149-5: 2008 / EN ISO 11611: 2007 / EN ISO 11612: 2008 / IEC 61482-2: 2009 (CLASS 1 AND ATPV 12 cal/cm²)
- Contents: 79% cotton, 20% polyester, 1% antistatic fiber, 300 gr/m².
- ATEX zone

**ELECTRIC ARC
PROTECTION PANTS**

OE 0480	38
OE 0481	40
OE 0482	42
OE 0483	44
OE 0484	46
OE 0485	48
OE 0486	50

Specifications:

- arc flash class 1, ATPV 12 cal/cm².
- standards: EN 13034: 2005 / EN 1149-5: 2008 / EN ISO 11611: 2007 / EN ISO 11612: 2008 / IEC 61482-2: 2009 (CLASS 1 AND ATPV 12 CAL/CM²)
- Contents: 79% cotton, 20% polyester, 1% antistatic fiber, 300 gr/m².
- ATEX zone

FIND THE ALL HYBRID & ELECTRIC PPE RANGE HERE

**FACIAL PROTECTION SCREEN FOR
ELECTRICAL ARCS**

OE 0311

Class 1B8
Colorless
2C-1.2 U 1 AT 8 9 0068 CE**Specifications:**

- EN 166, EN 170 compliant
- flip-up anti-scratch screen with ventilated forehead guard
- double-adjustable headband
- ultraviolet filter
- screen thickness: 1.5mm
- weight: 380g

TN

NO
WARRANTY**ELECTRIC ARC PROTECTION
HELMET WITH RETRACTABLE
FACE SHIELD**

OE 0312

Face protection against thermal effects and flash (electric arc).

Standards:

- helmet: EN 397, EN 50365 (class 0), ANSI Z89.1 (class E)
- shield: EN 166, EN 170, GS-ET-29 (class 1)

Compact,
lightweight packageNO
WARRANTY**PAIR OF INSULATED GLOVES CLASS 0 T9**

OE 0309

PAIR OF INSULATED GLOVES CLASS 0 T10

OE 0310

+
Comfort,
dexterity, triple
protection**PAIR OF CLASS 0 T11 INSULATED
GLOVES**

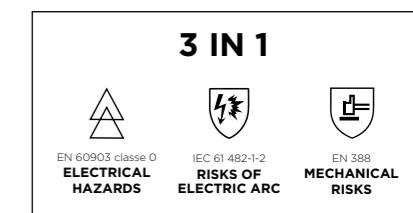
OE 0315

Pair of natural rubber insulated gloves. Contrary to most of the gloves on the market, this pair of gloves is specially designed for working on electric and hybrid vehicles. Ergonomic, the gloves respect perfectly the natural position of the hand. Moreover, the thickness of these gloves is reduced to the maximum, thus increasing comfort of use and dexterity when handling small parts. This pair of gloves offers triple protection: electrical, mechanical and thermal. To ensure optimal use, it is important to choose the right glove size, please refer to the table on the left.

Specifications:

- length: 36 cm
- Composite glove: mechanical, electrical and thermal resistance (ARC-FLASH)
- embossed palm and fingers for an optimal grip, even in wet or greasy conditions
- AZC category (acid, ozone, very low temperature resistance)
- EN60903 standard (double triangle logo): suitable for work under electrical voltage
- EN388 standard (hammer logo in a shield): mechanical resistance according to the standard
- standard EN61482-1-2: protective clothing against the thermal dangers of an electric arc
- CE marking 0333: PPE category III (risk of death or irreversible injury) - PPE of complex design
- class 0: protection against 1000V alternating current and 15000V direct current.

1000V

NO
WARRANTY



FIND THE ALL HYBRID & ELECTRIC PPE RANGE HERE

PAIR OF 1000V
INSULATING GLOVES

OE 0302

Size 10

Compatible with: B1L, B1VL, B1TL,
B2L, B2VL, B2TL, BCL, BEL, BRL,
B1XL, B2XL
Standard: EN 60903LEATHER OVERGLOVES
FOR INSULATED GLOVES

OE 0303



Size 10

Standard: EN-388

Compatible with: B1L, B1VL, B1TL, B2L, B2VL,
B2TL, BCL, BEL, BRL, B1XL, B2XLPERSONAL ELECTRICAL PROTECTION
EQUIPMENT SET

OE 0332

Contents:

- OE 0311: 1 face shield to protect against electric arcs
- OE 0310: 1 pair insulating gloves class 0 T10

Specifications:

- compatible approvals: B1L, B1VL, B1TL, B2L,
B2VL, B2TL, BCL, BEL, BRL, B1XL, B2XL.



OE 0310

ELECTRICAL INDIVIDUAL PROTECTION
EQUIPMENT MASTER SET

OE 0342

This PACK includes a pair of composite gloves, an ARC FLASH visor and all the additional equipment needed to ensure the protection and safety of your PPE.

As this equipment is designed to protect you from electrical hazards, it's vital to take good care of it and check it regularly.

Contents:

- OE 0311: 1 electric arc protection face shield
- OE 0566: 1 cover for helmet or face shield
- OE 0567: 1 cover for gloves & under-gloves
- OE 0310: 1 pair insulating gloves class 0 T10
- OE 0306: 1 pneumatic insulating glove checker



OE 0306

OE 0310

OE 0311

FIND THE ALL HYBRID & ELECTRIC CPE RANGE HERE



HYBRID & ELECTRIC CPE

MARKING/WORK AREA SIGNALING SET

EG 0012

NE PAS FRANCHIR
CLAS ZONE DE TRAVAIL CLAS

EG 0015



EG 0019

Compatible with: B1L, B1VL,
B1TL, B2L, B2VL, B2TL, BCL,
BEL, BRL, B1XL, B2XL.

Contents:

- EG0019: 6 yellow and black sign posts + - 1 yellow and black chain 25m
- EG0015: 1 "work zone limit" banner



COLLECTIVE PROTECTION EQUIPMENT MASTER SET

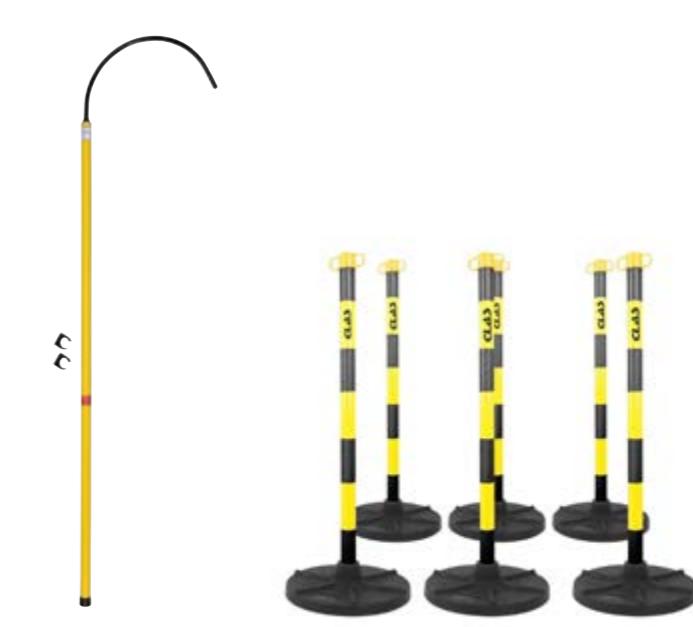
EG 0001

NE PAS FRANCHIR
CLAS ZONE DE TRAVAIL CLAS

EG 0015



EG 0031



OE 0720

EG 0019

Contents:

- EG0019: 6 yellow and black sign posts + 1 yellow and black chain 25m
- EG0015: 1 "work zone limit" banner
- EG0031: 1 "danger" steering wheel cover
- OE0720: 1 insulated rescue pole



SIGNAGE BANNER "WORK ZONE BOUNDARY" 100x20cm

EG 0015

**Specifications:**

- 4 eyelets + 2 drawstrings for fastening
- coated fabric
- dimensions: 100x20cm

Compatible with : B1L, B1VL, B1TL, B2L, B2VL, B2TL, BCL, BEL, BRL, B1XL, B2XL.

WORKING AREA DELIMITATION SET 25m

EG 0019

**Specifications post:**

- height: 90cm
- tube diameter: 4cm
- base diameter: 34cm
- weight: 3.2kg

Specifications chain:

- length: 25m
- thickness: 0.8mm

Compatibles habilitations : B1L, B1VL, B1TL, B2L, B2VL, B2TL, BCL, BEL, BRL, B1XL, B2XL.

PLASTIC SIGNALING CHAIN YELLOW/BLACK 25m

EG 0013

Accessory for EG 0014/EG 0019

Used to delimit a work area, a danger zone...

Link diameter: 6mm

Indoor and outdoor use



ADHESIVE SIGNALING AND SAFETY VINYL TAPE 33m W.50mm

EG 1050



INSULATING SHEET 3/10th

12.5x1.3m

OE 0755

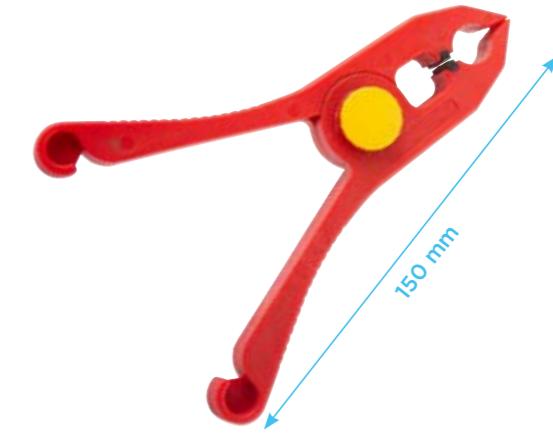
Provides temporary insulation by covering bare or insufficiently insulated parts and conductors.



INSULATED CLAMP

OE 0844

For securing temporary protective coverings such as insulating blankets



TN

NO WARRANTY

TN

1000V

2 WARRANTY

TN

2 WARRANTY

SIGNPOSTING REEL 20m

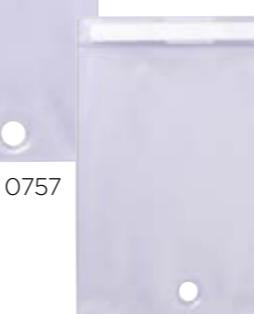
EG 0017



TN



OE 0757



OE 0758

SELF-GRIPPING INSULATING SHEET 660mmx360mm

OE 0764



TN

NO WARRANTY

1000V

ELECTRICAL DANGER SIGN 200mm

EG 0035



Compatible with : B1L, B1VL, B1TL, B2L, B2VL, B2TL, BCL, BEL, BRL, B1XL, B2XL.



Electrical insulation, Velcro, safety

2 WARRANTY

TN

2 WARRANTY

TN



FIND THE ALL HYBRID & ELECTRIC ACCESSORIES RANGE HERE

FIND THE ALL HYBRID & ELECTRIC ELECTRONICS RANGE HERE



OE 0845 4 INSULATED CAPS Ø10mm
OE 0846 4 INSULATED CAPS Ø20mm
OE 0847 4 INSULATED CAPS Ø30mm

1000V **NO WARRANTY**

ISOLATING LEVER 1000V

OE 0760

1000 V insulated disassembly lever. Allows sensitive parts on electric vehicles to be removed. Prevents damage to parts that mark easily (e.g. plastic trim or covers).

1000V **NO WARRANTY**

Specifications:

- 1000 V insulated tool
- electrical standard: IEC 60900 1000V AC, 1500V DC
- overall length: 190 mm

SAFETY STEERING WHEEL COVER

EG 0031

Used to lock the steering wheel of vehicles subject to inspection.

1000V **NO WARRANTY**

Specifications:

- diameter: 400mm

LOCKING DISC

OE 0563

10mm-diameter hole at top for padlock.

APAREIL CONDAMNE DEFENSE DE MANOEUVRE **NO WARRANTY**

Specifications:

- button: plastic
- diameter: 80mm

Must be used with the locking padlock (OE0564).

CLASS 0 INSULATING MAT - 100x60cm

OE 0750

Ultra-lightweight

1000V **NO WARRANTY**

Specifications:

- max. voltage: 1000V AC
- thickness: 1.5mm
- dimensions: 100x60cm

INSULATED RESCUE ROD

L.147cm

OE 0720

For rescuing workers who have been hit by electrRANGE HEREt and/or dazzle, e.g. when working on a VAT. Allows the injured person to be pulled to safety by the waist.

Specifications:

- operating voltage: 45000V
- 18x1.5mm steel hook
- tensile strength: 150kg

Compatible with: B1L, B1VL, B1TL, B2L, B2VL, B2TL, BCL, BEL, BRL, B1XL, B2XL.

Supplied with wall hooks.

1000V **NO WARRANTY**

LOCKING OUT BAG

OE 0562

Allows sockets and connectors to be locked. Locking by authorized technRANGE HEREan. Padlockable.

Specifications:

- nylon bag
- dimensions L.482xL.165mm

Must be used with the locking padlock (OE0564).

2 WARRANTY

LOCKING PADLOCK

OE 0564

DANGER

APAREIL CONDAMNE DEFENSE DE MANOEUVRE

1000V **NO WARRANTY**

Specifications:

- color: Orange
- handle material: Composite
- interior handle height: 38mm
- handle diameter: 4.5mm

HYBRID & ELECTRIC ELECTRONICS

HYBRID AND ELECTRIC VEHICLES INTERVENTION SET

OE 0355

1000V **NO WARRANTY**

OE 3010 **OE 0844**

OE 0840

OE 0755

Contents:

- OE3010: VAT safety tester
- OE0840: 1000V insulated tool set for hybrid and electric vehicles (27pcs)
- OE0844 (x4): insulated fixing pliers
- OE0874: insulated universal pliers

HYBRID AND ELECTRIC VEHICLES INTERVENTION MASTER SET

OE 0365

OE 4002 **OE 3010**

OE 0840

OE 0755

OE 0845 **OE 0846**

OE 0847 **OE 0848**

OE 0844

Contents:

- OE3010: VAT safety tester
- OE0755: 3/10th insulating sheet 12.5x1.3m
- OE4002: megohmmeter 1000V CAT. III & 600V CAT. IV
- OE0840: 1000V insulated tool set for hybrid and electric vehicles (27pcs)
- OE0844 (x4): insulated mounting clamp
- OE0845: 4 insulating caps Ø10mm
- OE0846: 4 insulating caps Ø20mm
- OE0847: 4 insulating caps Ø30mm
- OE0848: 4 insulating caps Ø60mm



1000V INSULATED TOOL SET FOR HYBRID AND ELECTRIC VEHICLES (27PCS)

OE 0840

This kit is ideal for maintenance and repair work on electric and hybrid vehicles.

All tools comply with IEC 60900 standards, to guarantee safety during work.

**Contents:**

- OE0834: 7mm socket 1000V 3/8" insulated
- OE0821: 8mm socket 1000V 3/8" insulated
- OE0822: 10mm socket 1000V 3/8" insulated
- OE0824: 12mm socket 1000V 3/8" insulated
- OE0825: 13mm socket 1000V 3/8" insulated
- OE0826: 14mm socket 1000V 3/8" insulated
- OE0835: 15mm socket 1000V 3/8" insulated
- OE0828: 17mm socket 1000V 3/8" insulated
- OE0830: 19mm socket 1000V 3/8" insulated
- OE0832: 22mm socket 1000V 3/8" insulated
- OE0837: 1000V 3/8" insulated ratchet
- OE0838: 1000V 3/8" insulated extension cord
- OE0839: 1000V 3/8" insulated T-handle
- OE0836: 1000V insulated knife
- case with foam
- OE0886: 1000V insulated 4x100 slotted screwdriver
- OE0887: slot screwdriver 5.5x125 insulated 1000V
- OE0881: Phillips screwdriver 1x80 insulated 1000V
- OE0882: Phillips screwdriver 2x100 insulated 1000V
- OE0685: 7mm open-end wrench, 1000V insulated
- OE0686: wrench 8mm insulated 1000V
- OE0688: 10mm wrench 1000V insulated
- OE0690: 12mm insulated flat wrench 1000V
- OE0691: wrench 13mm insulated 1000V
- OE0692: wrench 14mm insulated 1000V
- OE0695: wrench 17mm insulated 1000V
- OE0874: 1000V insulated universal pliers
- OE0873: 1000V insulated cutting pliers



TN

VOLTAGE SAFETY TESTER

OE 3010

Essential for the building industry or electric vehicles, the VAT tester is used to check that no voltage is present on a circuit before starting work, in compliance with NF C18-510 and IEC 61243-3VAT/DDT standards.

Complies with NF C18-510 and IEC 61243-3VAT/DDT standards

**Specifications:**

- continuity test
- 30mA differential circuit breaker test
- waterproof and dustproof
- voltage test: 2 to 690V AC/DC 750V DC with audible range change emission
- auto AC/DC
- resistance measurement up to 2kOhm
- audible continuity test R<2kOhm
- operating frequency DC 50-60Hz and 400Hz
- self-test of probe tips, cord, display and 9V battery
- low impedance: 390kOhm
- 19mm probe center distance (for circuit breakers)



Compatible with: B1L, B1VL, B1TL, B2L, B2VL, B2TL, BCL, BEL, BRL, B1XL, B2XL.

2
WARRANTY

TN

BLACK TOUCH POINT IP2X FOR VAT DEVICE

OE 3011

RED TOUCH POINT IP2X FOR VAT DEVICE

OE 3012

Accessory for OE 3010

IP2X measuring tip with red 4 mm female banana connector. Hard tip for scraping varnish, paint and oxidation. Safety 1000V CAT IV

Standard: IEC 61010-031



2
WARRANTY

TN

MEGOHMMETER 1000V CAT. III & 600V CAT. IV

OE 4002

Specially designed for hybrid and electric vehicles, this device can measure the insulation of electrical equipment, as well as voltages up to 1000V.

It measures DC and AC voltage, DC and AC current, temperature, resistance, capacitance, insulation and frequency.



2
WARRANTY

Contents:

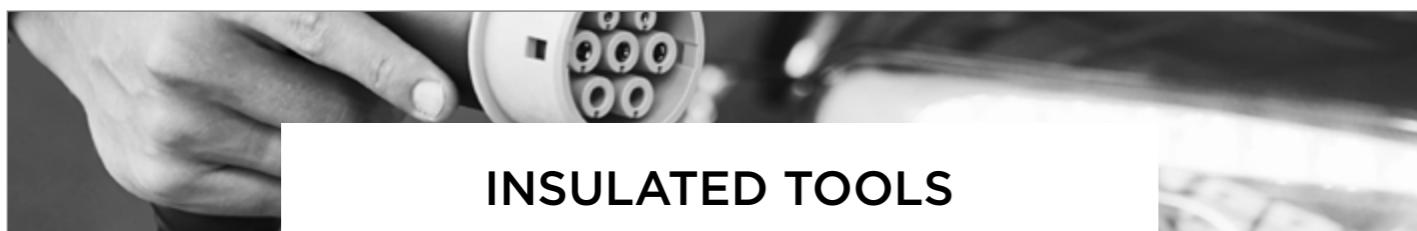
- 1x Megohmmeter
- 1x pair of measuring cables
- 1x pair of alligator clips
- 1x plug MS 3204
- 1x temperature probe (K-type thermocouple)
- 1x carrying case
- 1x carrying strap (shoulder strap)
- 4x LR6 batteries



2
WARRANTY

Adapted to the "low voltage" requirements of: BCL, B2VL, B2TL, B2XL ...





INSULATED TOOLS

1/4"

INSULATED RATCHET AND SOCKET INSERT 1/4" (46 PCS)

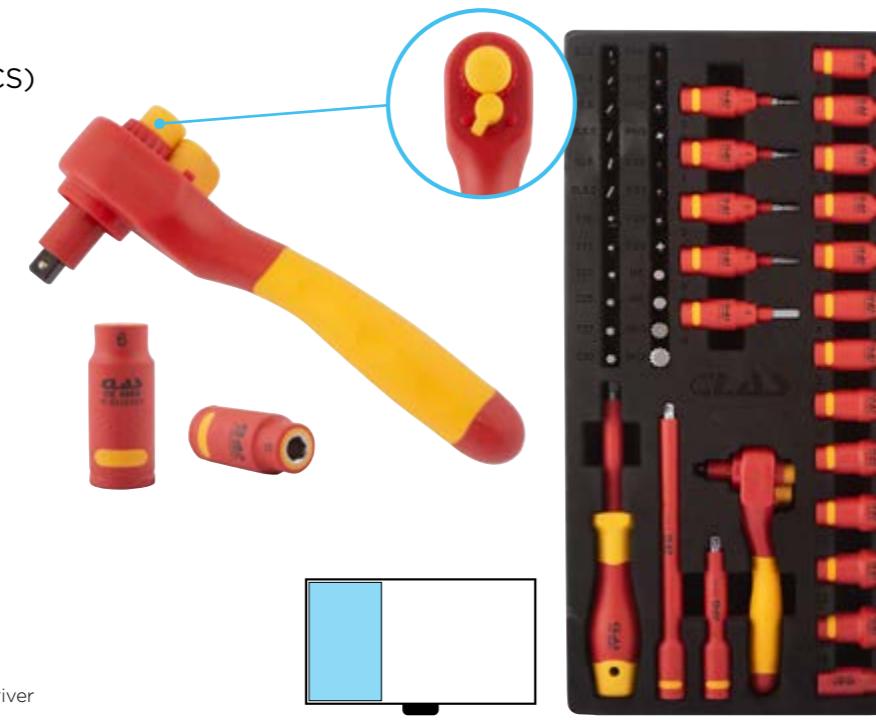
OE 0660

IEC 60900

Tested at 10000V, approved at 1000V

Contents:

- OE0661: 1/4" 4mm insulated socket
- OE0662: 1/4" 5mm insulated socket
- OE0663: 1/4" 5.5mm insulated socket
- OE0664: 1/4" 6mm insulated socket
- OE0665: 1/4" 7mm insulated socket
- OE0666: 1/4" 8mm insulated socket
- OE0667: 1/4" 9mm insulated socket
- OE0668: 1/4" 10mm insulated socket
- OE0669: 1/4" 11mm insulated socket
- OE0670: 1/4" 12mm insulated socket
- OE0671: 1/4" insulated socket 13mm
- OE0672: 1/4" insulated socket 14mm
- OE0673: 1/4" insulated socket h3
- OE0674: 1/4" insulated socket h4
- OE0675: 1/4" insulated socket h5
- OE0676: 1/4" insulated socket h6
- OE0677: 1/4" insulated socket h8
- OE0678: insulated extension 1/4" 75mm
- OE0679: insulated extension 1/4" 150mm
- OE0680: 1/4" insulated ratchet
- OE0681: 1/4" insulated Nozzle holder
- OE0682: 1/4" insulated bit holder screwdriver
- 24 Nozzles



3/8"

INSULATED RATCHET AND SOCKET INSERT 3/8" (14 PCS)

OE 0820

IEC 60900

Tested at 10000V, approved at 1000V

Contents:

- OE0821: 3/8" 8mm insulated socket
- OE0822: 3/8" 10mm insulated socket
- OE0823: 3/8" 11mm insulated socket
- OE0824: insulated socket 3/8" 12mm
- OE0825: insulated socket 3/8" 13mm
- OE0826: insulated socket 3/8" 14mm
- OE0827: insulated socket 3/8" 16mm
- OE0828: insulated socket 3/8" 17mm
- OE0829: insulated socket 3/8" 18mm
- OE0830: insulated socket 3/8" 19mm
- OE0831: insulated socket 3/8" 21mm
- OE0832: insulated socket 3/8" 22mm
- OE0837: 3/8" insulated ratchet
- OE0838: 3/8" insulated extension 150mm
- OE0839: 3/8" insulated t-handle



Dimensions insert :
390x190x35mm

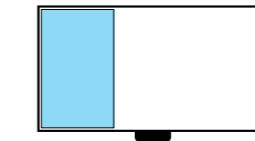


INSULATED OPEN END WRENCH INSERT (15 PCS)

OE 0683

IEC 60900

Tested at 10000V, approved at 1000V



Dimensions insert :
390x190x35mm

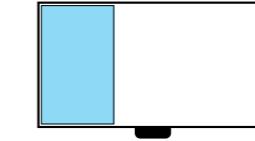


INSULATED OFFSET RING SPANNER DOUBLE HEX INSERT (11 PCS)

OE 0850

EN/IEC 60900

Tested at 10000V, approved at 1000V



Dimensions insert :
390x190x35mm



Contents:

- OE0851: 12-pin 8mm insulated socket
- OE0852: 12-pin 10mm insulated socket
- OE0853: insulated socket 12 flats 11mm
- OE0854: insulated socket 12 flats 12mm
- OE0855: insulated socket 12 flats 13mm
- OE0856: insulated socket 12 flats 14mm
- OE0857: insulated socket 12 flats 15mm
- OE0858: insulated socket 12 flats 16mm
- OE0859: insulated socket 12 flats 17mm
- OE0860: insulated socket 12 flats 18mm
- OE0861: insulated socket 12 flats 19mm



TN



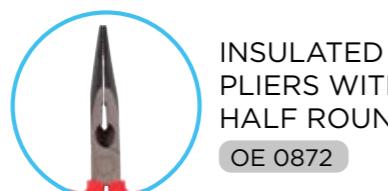
INSULATED CLAMPS INSERT (4 PCS)

OE 0870

IEC 60900
Tested at 10000V, approved at 1000V



INSULATED
ADJUSTABLE
PLIERS
OE 0871



INSULATED
PLIERS WITH
HALF ROUND
OE 0872



INSULATED
PLIERS SIDE
CUTTER
OE 0873



INSULATED
UNIVERSAL
PLIERS
OE 0874



Dimensions insert :
390x190x35mm



Contents:

- OE0871: insulated multi-socket pliers
- OE0872: insulated half-round bent nose pliers
- OE0873: insulated diagonal cutting pliers
- OE0874: insulated universal pliers



INSULATED SCREWDRIVER INSERT (7 PCS)

OE 0880

EN/IEC 60900
Tested to 10000V, approved to 1000V
Chrome vanadium S2



Dimensions insert :
390x190x35mm



Contents:

- OE0881: insulated Phillips screwdriver PH1x80
- OE0882: insulated Phillips screwdriver PH2x100
- OE0883: Phillips insulated screwdriver PH3x150
- OE0884: Phillips insulated screwdriver PH4x100
- OE0885: insulated slot screwdriver 2.5x75
- OE0886: insulated slot screwdriver 4.0x100
- OE0887: insulated slot screwdriver 5.5x125



1/4"

3/8"

INSULATED FLEXIBLE MAGNET

OE 0843

1000 V insulated tool, 440 mm articulated magnet, retrieves screws or nuts up to 120g



EN/IEC 60900
Tested to 10000V, approved to 1000V
Length: 310mm



TN



INSULATED TORQUE WRENCH 1/4" 5-25Nm

OE 0841

This tool is specifically designed for use on electric and hybrid vehicles. To ensure optimum use, the insulation is as thin as possible, while guaranteeing good grip and adherence with gloves. It features a double layer of insulation in 2 different colors, so you can tell at a glance if the insulation is damaged and therefore unusable. Electrically insulated, it is tested to 10000 V and approved to 1000 V AC.



EN/IEC 60900
Tested to 10000V, approved to 1000V
Scaling from 0.2 to 0.2



TN



INSULATED TORQUE WRENCH 3/8" 10-50Nm

OE 0842

This tool is specifically designed for use on electric and hybrid vehicles. To ensure optimum use, the insulation is as thin as possible, while guaranteeing good grip and adherence with gloves. It features a double layer of insulation in 2 different colors, so you can tell at a glance if the insulation is damaged and therefore unusable. Electrically insulated, it is tested to 10000 V and approved to 1000 V AC.

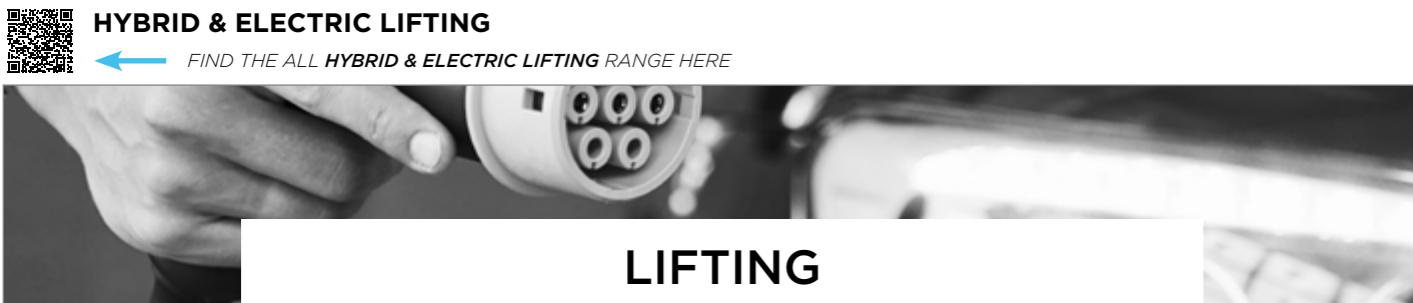


EN/IEC 60900
Tested to 10000V, approved to 1000V
Scaling from 0.5 to 0.5



TN





LIFTING

LIFTING TABLE 1200kg FOR EV BATTERY AND HEAVY ORGANS

OH 1201

Supports for fork-lift trucks.
Suitable for precision use.



Specifications:

- length: 1860mm
- width: 790mm
- minimum platform height: 710mm
- maximum tray height: 2090mm
- minimum tray length: 1380mm
- maximum platter length: 1580mm
- rise time: +/-50s
- lowering time: +/-30s
- 4 swivel castors with brakes: 130mm
- 4 handles positioned around the table for optimum ease of use when adjusting the load at rest.

Adjustments:

- the table top unfolds into three lockable positions for a maximum surface area of 1560mmx730mm. It is tapped M10x1.5 to accommodate various accessories (available on request).
- the table's flatness can be adjusted at 2 points for high positioning accuracy
- the table top can be moved in translation and pivoted for greater precision when repositioning elements.

This table is specially designed for the precise removal and re-installation of heavy components up to 1.2T max load (electric vehicle battery and/or powertrain).

Versatile, it can be adapted to all your needs thanks to its numerous settings and optional supports.

A hydropneumatic control system enables effortless, fast and precise height adjustment.

Descent is secured by a "deadman" function requiring 2 simultaneous actions by the operator. In the event of a problem involving the operator, this function is automatically stopped. The platform is fully mobile in relation to its frame, and features 96 M10x1.5 drilled and tapped points, evenly distributed to accommodate various accessories (available on request).



1 INCLINATION

Inclination adjustment
+/- 5%



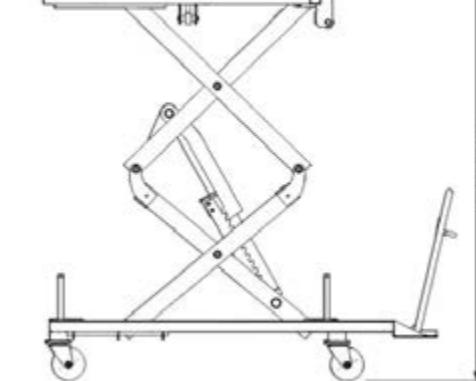
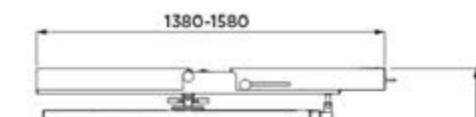
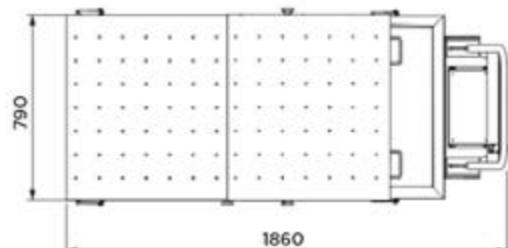
2 TRAVEL ADJUSTMENT

Table travel adjustment
+/- 3.5cm



3 DEPTH

Dept adjustment
+/- 20cm



1.2T

2

WARRANTY

TN

OPTIONAL

SET OF 12 ADJUSTABLE ROUND RUBBER FOR LIFT TABLE 50mm

CO 1160



SET OF 6 ADAPTABLE SUPPORTS FOR EV BATTERY LIFT TABLE

CO 1161





1T CHARGE BALANCER FOR VEH BATTERY

OH 0271

Maximum load capacity: 1T

This tool is an indispensable aid for moving and handling electric vehicle batteries. Its four straps ensure load stability by distributing the weight.



Contents:

- 1 main bar
- 2 crossbars
- 4 textile slings with eyebolts at each end
- 1 top hook for lifting



1T FOLDABLE PALLET CRANE

OH 1101

Foldable Europe pallet format

NOTE

See our lifting range on p. 137



Specifications:

- 3-position arm: 1000-800-700kg
- double-acting pump
- weight: 128kg



PAD FIAT 500E/500X/JEEP RENEGADE Ø100 X H.55

EG 1154



CONSIDER IT

2 COLUMNS POST LIFT HIGH PASSAGE 3.90m 400V 6T 4 ARTICULATED ARMS

PE 2339T

Particularly suited to repair work on extended utility vehicles, 4x4s, microcars, hybrids and electrics. Electro-hydraulic post lift. Direct push cylinder on carriage. Arms with adjustable joints. Hose and cable routing from the top for optimum working comfort, allowing free access to equipment under the vehicle (cylinders, oil recuperator, battery removal, etc.), facilitating workshop cleaning. Hydraulic power pack: equipped with a position safety device for precise intervention, gearbox assembly, nut alignment, etc. Multiple lifting capacities thanks to 4 multi-adjustable articulated arms. Cylinder and cable protection strip included on each column.



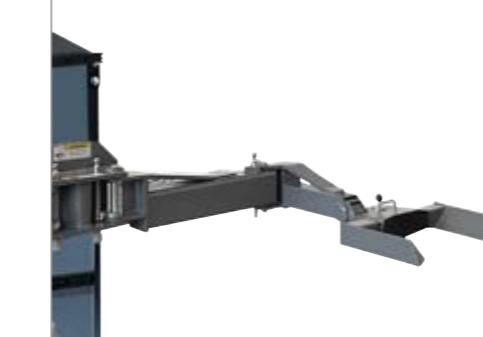
TE

6T



PAIR OF UNDER-WHEEL EXTENSIONS

PE 2114



Adaptable to bridges:

- PE 2105T low clearance bridge, 4 arms, 1500 mm
- PE 2106T low clearance bridge, 4 arms, 1800 mm
- PE 2238T 3.8 m high clearance bridge, 4 arms, 1500 mm
- PE 2240T 3.8m high clearance bridge with 4 arms 1800mm
- PE 2245T 4.5m high clearance bridge with 4 arms 1800mm
- PE 2250T 5.0m high clearance bridge with 4 arms 1800mm

Adaptable to arms:

- PE 2111
- PE 2115
- PE 2339T
- PE 2350T



TE



ELECTRIC BRAKE AND CLUTCH BLEEDER 5L 2.5bar

HU 1101

Compact and lightweight. Automatic stop when the level in the canister is too low. Equipped with a bleed and priming connector for fluid exchange. Checks the tightness of the low-pressure brake circuit.



COOLING SYSTEM FILLING/DRAINING DEVICE

AC 1020

Specifications:

- 2 independent 15-liter tanks for storing polluted liquid and new liquid
- 2 manometers for tank control
- connection to expansion vessel via conical adapter
- 3 dip tubes of different lengths
- 4 swivel wheels
- dimensions: L.430xW.610xH.1350mm
- weight: 43kg

Functions:

- used liquid extraction
- vacuum leak test
- new liquid filling
- used liquid tank draining
- new liquid tank draining



TN





INFRARED THERMAL CAMERA

AC 5120



Using infrared technology, the camera can convert heat radiation information into images that are clearly displayed on the color screen. The camera accurately detects temperature differences. Screen capture can be frozen and saved on SD card (not supplied).



Specifications:

- screen size 30x30mm
- 1024 pixel resolution
- temperature range - 20/650°C
- tolerance +/- 2%
- working temperature 0/50
- supplied with 4 x 1.5V AAA batteries
- charge indicator
- 1 USB/mini-USB cable
- SD card not included
- carrying pouch

THERMAL IMAGER

AD000TKTR1

Accessory for AD000TKX16/ADTKT04EMX/
ADOTKT05EM/ADTKT03EMSE/ADTKT03EML/
AD00TKT02L/AD000TK900/ADTKTEURO195

NOTE

Find our Thinkcar range on p.262



Specifications:

- 320x240 ultra-high pixels, easy-to-see details
- 0 to 530° (0.07°C) thermal sensitivity
- thermal database for defect comparison



THINKCAR EVP802 BATTERY PACK MODULAR EQUALIZER

AD00EVP802

Used to optimize battery performance in electric vehicles and extend battery life. Its function is to balance the cells in a module (2 X 12 cells via 2 channels, i.e. 2 modules simultaneously). It is able to charge some cells, while discharging others, in order to obtain the target cell voltage. The charge/discharge current is 5A and 2.5A for balancing. A report can be extracted at the end of the cycle.



Specifications:

- power supply: 90-260V (40-60Hz)
- charge/discharge voltage range: 1.8 - 4.2V
- voltage detection accuracy: +/- 2mV (Max 5V)
- charge/discharge current range: 0.1 - 5A
- actual charge accuracy: +/- 0.05A (Max 5A)
- battery temperature detection accuracy: +/- 2°
- modules supported: 2 modules (1 module with max. 12 batteries)
- charge/discharge power: max 600W
- battery interface: 16-pin/24-pin
- touchscreen: 7" display
- communication: via TCP/IP, USB device
- charge/discharge data: Histogram / Data table
- size: 496x246x262mm
- weight: 14 Kg





HYBRID & ELECTRIC LOADING

FIND THE ALL HYBRID & ELECTRIC LOADING RANGE HERE



PORTABLE EV CHARGER T2 3.6kW 5m

OE 2046

TN



Specifications:

- IP66: waterproof and dustproof
- IK 10: withstands the impact of a 5kg weight dropped from 40cm.
- sockets: type 2 & type E
- max output current: 16 A.
- switchable current: 10 A, 13 A and 16 A.
- total length: 5M (3.5M type 2 + 1.5M type E)
- interchangeable waterproof cap

3.6kW

2
WARRANTY

CHARGING CABLE T2-T2 7.2kW 5m

OE 2041

TN

Charging cable, 16A, 1 phase, 7.2kw for electric vehicles. Type 2 (IEC 62196-2) plug and socket, 5m long.

Specifications:

- 7.2kW
- 16 A
- 1 phase
- length: 5m
- plug: type 2
- interchangeable waterproof cap



CHARGING CABLE T2-T2 22kW 5m

OE 2043

Charging cable, 32A, 3 phases, 22kw for electric vehicles. Type 2 (IEC 62196-2) socket and plug, 5m long.

Specifications:

- 22kW
- 32 A
- 3-phase
- length: 5m
- plug: type 2
- interchangeable waterproof cap



NO WARRANTY

7.2kW-22kW