

The background of the cover is an abstract image featuring light trails in shades of blue, orange, and white, suggesting motion and energy. A prominent curved, metallic-looking structure is visible on the right side, possibly part of a modern building or a futuristic vehicle. The overall color palette transitions from dark blue on the left to a bright, hazy white on the right.

PRODUCT CATALOGUE

2023

Specialists in **energy autonomy**



RECREATIONAL VEHICLES

Throughout all the manufacturing stages of our ACE Energy product range, from design to marketing, our philosophy remains the same: to make energy self-sufficiency easy and accessible.

Our modular solutions cover all motorhome owners' needs, whether they lead a rather sedentary lifestyle or are demanding adventurers.

To better protect the environment in line with our commitment to manage resources sustainably, we only manufacture and sell LiFePO₄ batteries.

RECREATIONAL VEHICLES



BATTERY

CAN/BT Battery

Lithium Iron Phosphate Technology
Ref. ACE-CANBT

12.8V - 100Ah

L342xH173xP215 · 13.6kg

- › Long useful life
- › Light
- › Powerful



INVERTER WITH PRIORITISATION

Pure sine wave technology

12V/230V - 1500 to 2500W

- › Built-in alarms
- › Auto-start feature
- › Controlled cooling
- › Remote control



ACCESSORIES

D+ Wireless

Easy installation
Ref. ACE-D-PLUS-SF

12V / 24V

L76xP56xH23 · 60g

- › No wired connection to the alternator
- › Compatible with vehicles EURO 6 / 6+



CHARGER

DC-DC 50A Booster

Buck-Boost
Ref. ACE-DCDC50

12V-25/50A

L200xH125xP70 · 1.35kg

- › Charge cycle control
- › Built-in protections
- › D+ detection



DISPLAY

PWC350

Highly accurate battery gauge
Ref. ACE-PWC350

8V/80V - 350A

ø59-54xD20 · 50g

- › Highly accurate
- › Memory function
- › Compatible with all technologies



CHARGER

AC/DC 20A Charger

LiFePO₄-specific
Ref. ACE-SC1250LFP

12V-20A

- › Auto-start feature
- › Active protections
- › Digital multi-functional display



CHARGER

BC004

Acid, AGM & Gel technology
Ref. ACE-BC004

6V/12V - 4.5A

L193.5xH46xW66.4

- › Memory function
- › Charge at full power
- › Selective charge mode



AC4
ENERGY



ACE
ENERGY

CONVERTED VANS

Throughout all the manufacturing stages of our ACE Energy product range, from design to marketing, our philosophy remains the same: to make energy self-sufficiency easy and accessible.

Our all-in-one solutions come with all the equipment needed to power the vehicle interior, ensuring optimal comfort wherever you go.

To better protect the environment in line with our commitment to manage resources sustainably, we only manufacture and sell LiFePO₄ batteries.

CONVERTED VANS

Your partner for vehicle and camper van energy autonomy.

Are you a manufacturer? Are you a van planner or just a passionate DIY enthusiast?

We have the all-in-one solution for you!

We manufacture custom-made boxes with already integrated modules, depending on your energy needs and the dimensions of your vehicle's interior. You just need to plug it in!



INTEGRATED SYSTEM

E-Box

The all-in-one energy solution
Ref. ACE-BCV-20120

12V - 120Ah

L370xH355xP190 · 25kg

- › Fully integrated
- › Powerful and longer-lasting
- › Communication



OPTION

Auxiliary Battery

Increase your capacity by 120Ah
Ref. ACE-AUX120



ACCESSORIES

D+ Wireless

Easy installation
Ref. ACE-D-PLUS-SF

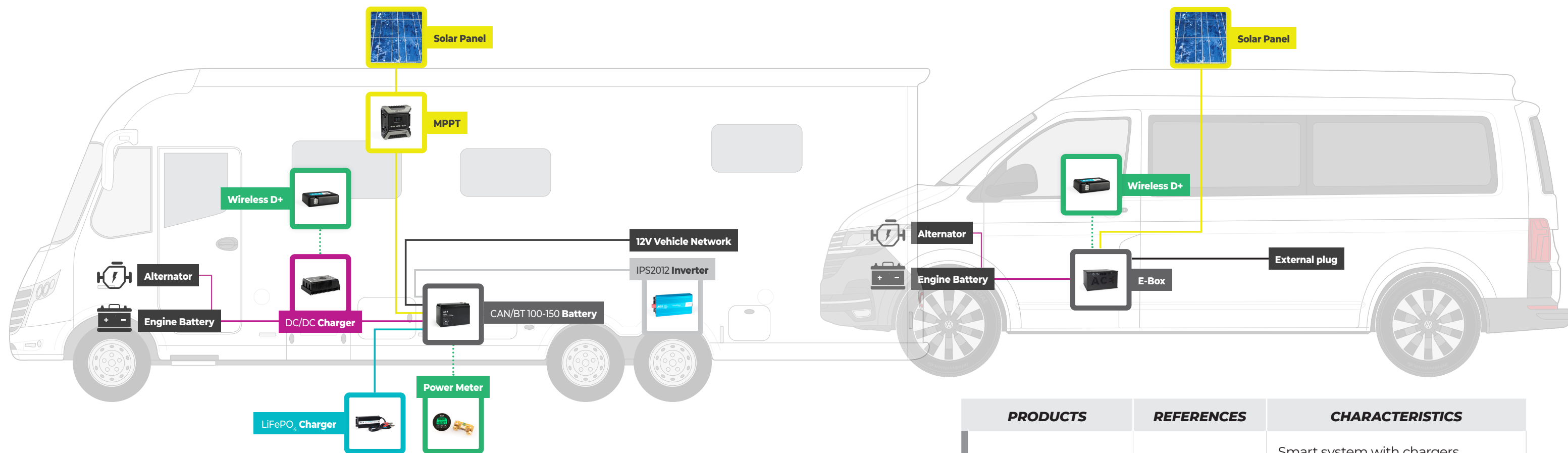
12V / 24V

L76xP56xH23 · 60g

- › No wired connection to the alternator
- › Compatible with vehicles EURO 6 / 6+



AC-E
ENERGY



PRODUCTS	REFERENCES	CHARACTERISTICS
Battery CAN/BT	ACE-CANBT100	Long useful life Lower weight, more power Wide temperature range Safe, maintenance-free
Batteries HIC100BT HIC150BT HIC200BT	ACE-HIC100BT ACE-HIC150BT ACE-HIC200BT	LiFePO ₄ battery Bluetooth connection High discharge current accepted (1000A for 30 m)
DC/DC Charger	ACE-DCDC20* ACE-DCDC50	Full control over service battery charging Euro 5-6-6+ compatible Integrated coupling relay
Inverters IPS12	ACE-IPS**12*	Pure sine wave inverter Models from 500W to 2500W Built-in protections Remote ON/OFF button Available with prioritisation

* Available soon

PRODUCTS	REFERENCES	CHARACTERISTICS
E-Box	ACE-BCV15120 ACE-BCV20120 ACE-AUX120	Smart system with chargers, built-in converter and MPPT Bluetooth communication Built-in 230V power source prioritisation Optional 120Ah auxiliary battery
LiFePO₄ Charger	ACE-SC1210LFP ACE-SC1220LFP ACE-SC1230LFP ACE-SC1240LFP ACE-SC1270LFP	LiFePO ₄ -specific charger Active protections Auto-start feature Available in 10A, 20A, 30A, 40A et 70A
Régulateur Solaire	ACE-PWM5020 ACE-MPPT20 ACE-MPPT10030	Compatible with gel/lithium battery Automatic 12-24V _{DC} selection Highly efficient
Jauge	ACE-PWC350	Battery coulometer Real-time current, voltage and energy autonomy readings
D+ Sans-Fil	ACE-D-PLUS-SF	Easy installation Protects your vehicle battery No wired connection to the alternator

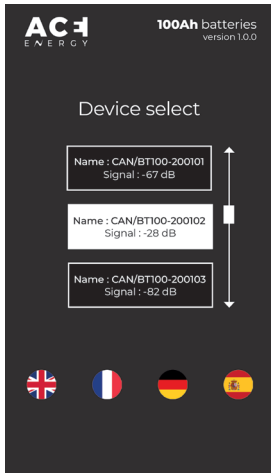
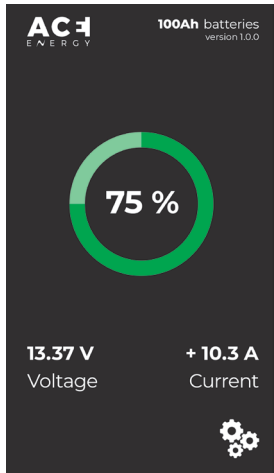
Use

- › Electric mobility
- › Solar energy storage/wind turbine
- › Inverter
- › Telecommunications
- › Lighting



Lithium iron phosphate battery

- › **Long useful life**
Up to 4 000 cycles at 0,2C of charge and discharge.
- › **Light weight**
About 40% lighter than an equivalent acid or GEL battery.
- › **Large temperature range**
Operating temperature between -20°C and 60°C.
- › **Safe**
The lithium iron phosphate technology eliminates the risk of explosion or combustion due to shock, overload or short circuit condition.
- › **Without maintenance**
No self-discharge or maintenance needed.



App mobile Android

iOS

App mobile iOS

Technical features	Reference	ACE-CANBT100
	Nominal voltage	12.8V
Nominal capacity	Full battery voltage	98Ah (0.2C)
	Rated power	14.4V
Internal resistance	Internal resistance	1280Wh
	Useful life	≤30mΩ
Self-discharge	Useful life	≥4,000 cycles of 0.2C of charge/discharge
	Self-discharge	<0.1% (-20°C to 45°C)
Configuration	Configuration	4S28P
	Working voltage	12.8V
Charging voltage	Charging voltage	14.4V
	Nominal charge current	≤50A
Maximum charge current	Maximum charge current	≤100A
	Nominal discharge current	≤150A
Maximum discharge current	Maximum discharge current	≤240A (<10s)
	Built-in protections	overload deep charge heating cell balancing
Bluetooth	Bluetooth	4.2 and above
	CAN-Bus	CAN-Open automotive (option)
Charging temperature	Charging temperature	0°C to 45°C
	Discharge temperature	-20°C to 60°C
Storage temperature	Storage temperature	-10°C to 40°C
	Cell type	LFP
Case	Case	Plastic
	Dimensions	342x173x215mm
Weight	Weight	13.6kg
	Screw terminals	Screw type M8 CAN PINS

Use

- › Electric mobility
- › Solar energy / wind turbine storage
- › Inverter
- › Telecommunications
- › Lighting

Features

- › **Long useful life**
Up to 4000 cycles at 0.2 C charge and discharge.
- › **Light weight**
About 40% of the weight of an equivalent acid or GEL battery.
- › **More powerful**
Delivers twice the power as a lead-acid battery, even with a high discharge rate level, while keeping a high energy capacity. High discharge current accepted (1000A for 30 ms).
- › **Wide temperature range**
Operating temperature ranging from -20 °C to 60 °C.
- › **Safe**
The lithium iron phosphate technology eliminates the risk of explosion or combustion due to shock, overcharging or short circuit.
- › **Maintenance-free**
No maintenance required.



Technical features	Reference	ACE-HIC100BT	ACE-HIC150BT	ACE-HIC200BT
	Nominal voltage	22100-0100C	22100-0150C	22100-0200C
Nominal capacity	Full battery voltage	12.8V	12.8V	12.8V
	Useful life	100Ah / 1280Wh	150Ah / 1920Wh	200Ah / 2560Wh
End-of-charge voltage	End-of-charge voltage	14.4V	14.4V	14.4V
	Useful life	≥4 000 cycles à 0.2C de charge / décharge	≥4 000 cycles à 0.2C de charge / décharge	≥4 000 cycles à 0.2C de charge / décharge
Recommended maximum charge current	Recommended maximum charge current	14.2V - 14.6V	14.2V - 14.6V	14.2V - 14.6V
	Recommended maximum charge current	50A	75A	100A
Maximum charge current	Maximum charge current	100A	150A	200A
	Continuous discharge current	200A	200A	200A
Maximum discharge current (<30s)	Maximum discharge current (<30s)	390A	390A	390A
	Admissible peak current (<30ms)	1000A	1000A	1000A
Built-in protections	Built-in protections	overcharging, deep discharge, heating, cell balancing	overcharging, deep discharge, heating, cell balancing	overcharging, deep discharge, heating, cell balancing
	Charging temperature	0°C to 45°C	0°C to 45°C	0°C to 45°C
Discharge temperature	Discharge temperature	-20°C to 60°C	-20°C to 60°C	-20°C to 60°C
	Storage temperature	-40°C to 60°C	-40°C to 60°C	-40°C to 60°C
Cell type	Cell type	LFP	LFP	LFP
	Case	ABS	ABS	ABS
Dimensions (L x W x H)	Dimensions (L x W x H)	35 x 17 x 22 cm	41 x 17 x 22 cm	41 x 17 x 22 cm
	Weight	12 kg	16.5 kg	21.5kg
Connection	Connection	M8	M8	M8
	Bluetooth	4.0 or higher	4.0 or higher	4.0 or higher

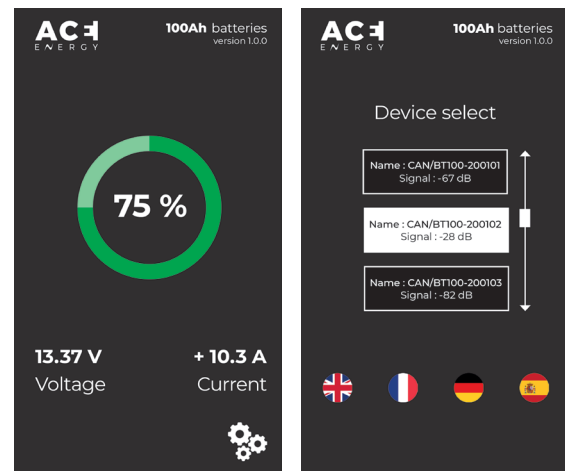
Description

- › With an integrated LiFePO₄ battery, the E-Box offers you an all-in-one solution for your vehicle's energy autonomy.
- › Specially designed to fit under the passenger seat, this battery covers all the electrical needs of the adapted cell while taking up minimal space.
- › As an optional feature, you can also integrate the 12V distribution panel.



Features

- › **Fully integrated**
A single box containing the LiFePO₄ battery, the DC/DC charger, the AC/DC charger, the MPPT solar charge controller and the DC/AC converter.
- › **More powerful and longer-lasting**
Provides twice as much power as a lead battery while maintaining a high energy capacity. Up to 2500 cycles at 0.5 C charge and discharge.
- › **Wide temperature range**
Operating temperature ranging from -20 °C to 60 °C.
- › **Power supply prioritisation**
Thanks to the Box ACE Energy's built-in power prioritisation board, you can automatically manage the 230V_{AC} power supply when the vehicle is connected to the power supply via the external outlet.
- › **Communication**
Control the battery charging level and status via a dedicated mobile app.



Technical features

DC-DC charger

AC-DC charger

Solar charger

DC-AC converter

Mechanic

Communication



	BCV-15120	BCV-20120
Reference	10310-1500W	10310-2000W
Nominal voltage	12.8V	
Nominal capacity	120Ah	
Full battery voltage	14.6V	
Rated power	1530Wh	
Internal resistance	≤30mΩ	
Charge current	≤100A	
Discharge current	200A	
Peak current	400A	
Useful life	≥2500 cycles	
Self-discharge	<3%	
DC-DC charger	Applicable voltage	12-16V
	Charge current	50 to 70A (dedicated line)
	Automatic D+ detection	Optional
AC-DC charger	Applicable voltage	230-240V _{AC} / 50Hz
	Charge current	20A
	Maximum power	290W
Solar charger	Applicable voltage	≤80V
	Charge current	20A
	Maximum power	290W
DC-AC converter	Output voltage	230-240V _{AC} / 50Hz
	Rated power	1500W 2000W
	Peak power	3000W 4000W
Mechanic	Material	Painted steel
	Dimensions	350 x 370 x 210 mm
	Weight	25kg
Communication	Bluetooth 4.2	Android and iOS mobile app



OPTION
Auxiliary battery
Increase your capacity to 240Ah with auxiliary battery
Ref. ACE-AUX120

Description

With an integrated LiFePO₄ battery, the E-Case (Suitcase on wheels) offers you an all-in-one solution for energy autonomy wherever you are.

Features

- › **Fully integrated**
A single case containing the LiFePO₄ battery, the DC/DC charger (option), the AC/DC charger, the MPPT solar charge controller and the DC/AC converter.
- › **More powerful and longer-lasting**
Provides twice as much power as a lead battery while maintaining a high energy capacity. Very high cycle life (over 4000 cycles at 80% DoD).
- › **Priorisation**
Designed and assembled in France The integrated power prioritisation card automatically manages the 230VAC output when the mains supply is present.
- › **Communication**
Control the battery charging level and status via a dedicated mobile app.



Specifications

		E-Case100	E-Case130	E-Case160
Battery characteristics	Nominal voltage	12.8 V		
	Nominal capacity	100 Ah	130 Ah	160 Ah
	Full battery voltage	14.6 V		
	Internal resistance	≤ 30mΩ		
	Charge current	25 A	50 A	50 A
	Discharge current	100 A	200 A	200 A
	Useful life	≥ 4000 cycles to 80% of DoD		
DC-DC charger <i>(Optional)</i>	Applicable voltage	12 to 16 V		
	Charge current	50 A		
D+ cordless	Automatic detection	Optional		
AC-DC charger	Applicable voltage	230-240 V _{AC} / 50 Hz		
	Charge current	20 A		
Solar Charger	Applicable voltage	≤ 80 V		
	Charge current	20 A		
	Maximum power	290 W		
DC-AC Converter	Output voltage	230-240 V _{AC} / 50 Hz		
	Rate power	1500 W	2000 W	
	Peak power	2000 W	4000 W	
Mechanic	Dimensions (cm)	90 x 25 x 38		
	Weight	20 kg	23 kg	25 kg
Communication	Bluetooth	Android & iOS mobile app		



Features

- › Pure sine wave inverter
- › Auto-start feature
- › Multiple active protections
- › Highly efficient
- › 100% copper connectors

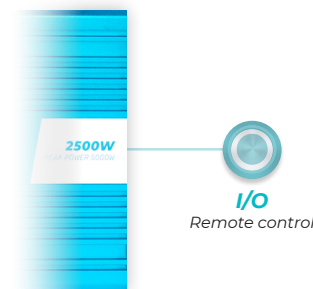
Connectivity

ACE-IPS series DC/AC inverters include a wired remote control option.

Completely plug-&-play by connection to the USB port, this remote control can be installed anywhere in your vehicle.

Specifications

	ACE-IPS0512S	ACE-IPS1012S	ACE-IPS1512	ACE-IPS2012	ACE-IPS2512
Reference	11310-0512S	11310-1012S	11310-1512P	11310-2012P	11310-2512P
Rated power	500W	1000W	1500W	2000W	2500W
Peak power	1000W	2000W	3000W	4000W	5000W
Input voltage	12VDC				
Output voltage	220VAC to 240VAC				
Self-consumption	1.1A				
Frequency	50Hz±0.5Hz or 60Hz±0.5Hz				
Wavelength quality	Pure sine wave				
Wavelength distortion	THD <3%				
USB port	5V 1A				
Efficiency	90%				
Permissible input voltage	10-15.5V				
Low voltage alarm	10.5±0.5V				
Low voltage protection	10±0.5V				
High voltage protection	15.5±0.5V				
Low voltage recovery	13±0.5V				
High voltage recovery	14.8V±0.5V				
Protection features	Low voltage	Alarm and reduced voltage. A red LED turns on followed by a complete stop.			
	High voltage	A red LED turns on followed by a complete stop.			
	Overload	A red LED turns on followed by a complete stop.			
	Over-heating	Alarm and reduced voltage. A red LED turns on followed by a complete stop.			
	Short circuit	A red LED light turns on.			
	Voltage inversion	Fuse breaker.			
Dimensions (L x W x H)	25 x 15 x 8 cm	31 x 16,5 x 9 cm	37 x 16,5 x 9 cm	42 x 22 x 9 cm	50 x 21,5 x 9,5 cm
Weight	2Kg	3Kg	3.5Kg	4.5Kg	5.5Kg
Standard remote control	No		Yes		



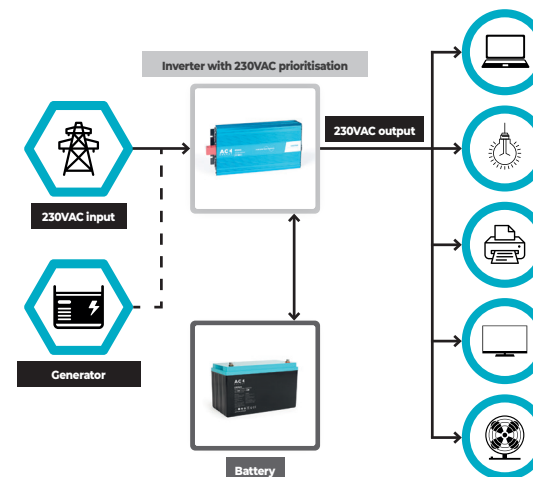
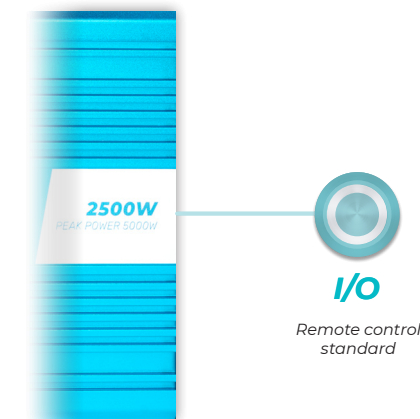
Features

- › Pure sine wave inverter
- › Automatically preserves battery capacity when the vehicle is connected to the 230V power supply
- › Auto-start feature
- › Multiple active protections
- › Highly efficient
- › 100% copper connectors

Connectivity

ACE-IPS range DC/AC inverters include a wired remote control as standard.

This remote control, which is a plug-and-play device when connected to the USB port, can be installed at any time and anywhere in your vehicle.



Specifications

	ACE-IPS1512I	ACE-IPS2012I	ACE-IPS2512I
Reference	11310-1512I	11310-2012I	11310-2512I
Rated power	1500W	2000W	2500W
Peak power	3000W	4000W	5000W
Input voltage	12VDC		
Output voltage	220VAC à 240VAC		
Self-consumption	1.1A		
Frequency	50Hz±0.5Hz ou 60Hz±0.5Hz		
Wavelength quality	Pure sine wave		
Wavelength distortion	THD <3%		
USB port	5V 1A		
Efficiency	90%		
Permissible input voltage	10-15.5V		
Low voltage alarm	10.5±0.5V		
Low voltage protection	10±0.5V		
High voltage protection	15.5±0.5V		
Low voltage recovery	13±0.5V		
High voltage recovery	14.8V±0.5V		
Protection features	Low voltage	Alarm and reduced voltage. A red LED turns on followed by a complete stop.	
	High voltage	A red LED turns on followed by a complete stop.	
	Overload	A red LED turns on followed by a complete stop.	
	Over-heating	Alarm and reduced voltage. A red LED turns on followed by a complete stop.	
	Short circuit	A red LED light turns on.	
	Voltage inversion	Fuse breaker.	
Dimensions (L x W x H)	37 x 16,5 x 9 cm	42 x 22 x 9 cm	50 x 21,5 x 9,5 cm
Weight (kg)	3.5	4.5	5.5



Smart

- › The Buck Boost DC / DC Charger has been specially designed to **fully control the charge cycle of an auxiliary battery**. It must be installed in vehicles equipped with smart alternator control (Euro5+, 6, 6.2); its installation also ensures **general alternator protection** in lithium systems.
- › To ensure that the vehicle's start-up battery is always charged first, the Buck Boost DC / DC charger supplies power to the auxiliary battery, but **only when the engine is running** (D+ detection).



Adaptable

- › The Buck-Boost DC / DC charger can be installed in the vehicle's original power line (smart connect), **thanks to the By-Pass function of the built-in coupling relay, which enables auxiliary power to be maintained when the engine is turned off**. It can also be connected directly to the vehicle's start-up battery (dedicated line).
- › The charging profile of the auxiliary battery (Gel / AGM or LiFePO₄), as well as the type of connection (smart connect*, dedicated line**) can be set-up **easily** by simply turning a switch.

Specifications

ACE-DCDC50A		
Reference	10110-0050B	
Applicable load voltage	> 12.5 V _{DC}	
Decoupling voltage discharge	< 11 V _{DC} (vehicle battery) or < 12.2V _{DC} (D+)	
Decoupling voltage charge	> 13.8V _{DC} (GEL / AGM) or > 14.65V _{DC} (LiFePO ₄)	
Charge current	Smart connect*	50 A
	Dedicated line**	60 A
Standby consumption	50mA	
Operating temperature	-20°C / +60°C	
Weight	1.35 Kg	
Dimensions	200 x 125 x 70 mm	
Certifications	E57 10R06/00 0112	

Configuration	LED1	LED2
Switch 1 - ON: Dedicated line**	Off	Orange 3 sec.
Switch 1 - OFF: Smart Connect*	Orange 3 sec.	Off
Switch 2 - ON: GEL/AGM battery	Off	Green 3 sec.
Switch 2 - ON: LiFePO ₄ battery	Green 3 sec.	Off

*Smart connect: Connection to the vehicle original electrical system

**Dedicated line: Installation of a specific power cable between the vehicle battery and the cell battery, with its length being calculated according to the distance separating the two pieces of equipment.

Features

- › Specific charger LiFePO₄
- › Auto-start feature
- › Multiple active protection
- › Highly efficient
- › Digital multi-functional display

Function

- › Check that your local electricity supply corresponds to the charger's input voltage (between 180 and 240 V_{AC} 50Hz).
- › Please pay attention to the DC terminals: Brown (red) -> positive terminal (+) , blue (black) -> negative terminal (-).
- › Then connect the DC output plug or lead to the battery terminals.
- › The RED LED2 confirms that the charger is charging. The GREEN LED2 confirms that the battery is fully charged.

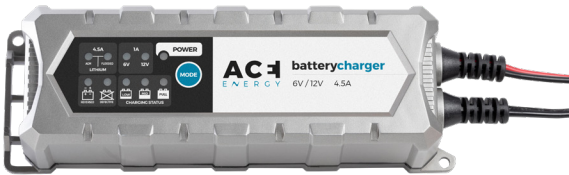


Specifications

	ACE-SC1210LFP	ACE-SC1220LFP	ACE-SC1230LFP	ACE-SC1240LFP	ACE-SC1270LFP
Reference	11030-0010B	11030-0020B	11030-0030B	11030-0040B	11030-0070B
Input voltage	100-240 V _{AC}				
Frequency	47-63 Hz				
Output voltage	14.6 V _{DC} +/- 0.2 V				
Output current	10 A	20 A	30 A	40 A	70 A
Reverse voltage protection	Automatic				
Short circuit protection	Automatic				
High voltage protection	Current limitation				
Dimensions	60 x 50 x 150 mm	118 x 58 x 190 mm	105 x 70 x 280 mm	135 x 75 x 300 mm	175 x 110 x 400 mm
Weight	0.6 Kg	1.2 Kg	1.8 Kg	2.3 Kg	5.3 Kg

Features

- › With **auto memory** function after power restart
- › **Full power** charging
- › Selective mode for all technologies
- › Floating mode for wintering
- › Compatible with Acid, Gel, AGM and LiFePo₄ batteries



Physical Dimension

Length	193.5mm
Width	66.4mm
Height	46mm

General Information

Reference	11000-BC004
Input Voltage	100-240VAC/50Hz
Input Cable	With Cable (Desktop Case)
Charging Battery Type	12V Lead Acid: 1.2AH - 120AH 6V Lead Acid: 1.2AH - 14AH
Restore Dead Battery Function	6V & 12V Battery
Abnormality Protection	Short Circuit Battery Defective and Reverse Connection
Charging Mode	6 Steps With Fully Automatic Switch Mode
Material Of Housing	UV Resistant Polycarbonate
Proof Water Grade	IP65
Approval	CE / GS
Application	Used in Car, Motorcycles, Vehicles
Cycle Use Voltage	14.6 V~14.8 V @ 25°C Temperature Compensation: -4mV/°C/Cell
Operating Temperature Range	Discharge: -20°C~60°C Charge: 0°C~50°C Storage: -20°C~60°C

Specifications

Charging Current	1A or 4.5A (according to the model)
Charging Voltage	6V / 12V
For battery	
Open WET	✓
Maintenance Free	✓
AGM/VRLA	✓
Calcium	✓
To Charge Battery Capacity	14Ah - 120Ah
To Maintain Battery Capacity	14Ah - 150Ah
Microprocessor Controlled	✓
Charging steps	
Float Charge	✓
Overcharge Protection	✓
Allow for Safe Continuous Charge	✓
Boost	
Recovery Function	✓
IP Rating	
Charging startus indications	
Battery Defect	✓
Wrong Connection	✓
Wrong Polarity	✓
Short Circuit	✓
Charging Progress Indication	✓
Full Charge Indication	✓
230V Power On	✓
Built-in Protection	✓
EMC Free	✓
Spark Free Protection	✓

Features

- › PWM solar controller
- › Gel/lithium battery compatible
- › Automatic 12-24V_{DC} selection
- › Highly efficient



ACE-PWM5020

Features

- › MPPT 20A solar controller
- › Gel/lithium battery compatible
- › Automatic 12-24-48V_{DC} selection
- › Highly efficient



ACE-MPPT20

Features

- › MPPT 30A solar controller
- › Gel/lithium battery compatible
- › Automatic 12-24V_{DC} selection
- › Highly efficient



ACE-MPPT10030

Specifications

	PWM5020
Reference	11101-5020A
Battery voltage	12-24V _{DC} (automatic detection)
Charge current	20A
Solar panel input voltage	< 50V _{DC}
Balancing	14.6V (settable)
End of charge	13.7V (settable)
Low Voltage Protection	10.7V (settable)
Charge reconnection	12.6V (settable)
USB Port	5V / 3A
Self-consumption	< 10mA
Operating temperature	-35 à +60°C
Dimensions	150x78x35mm
Weight	150 gr.

Specifications

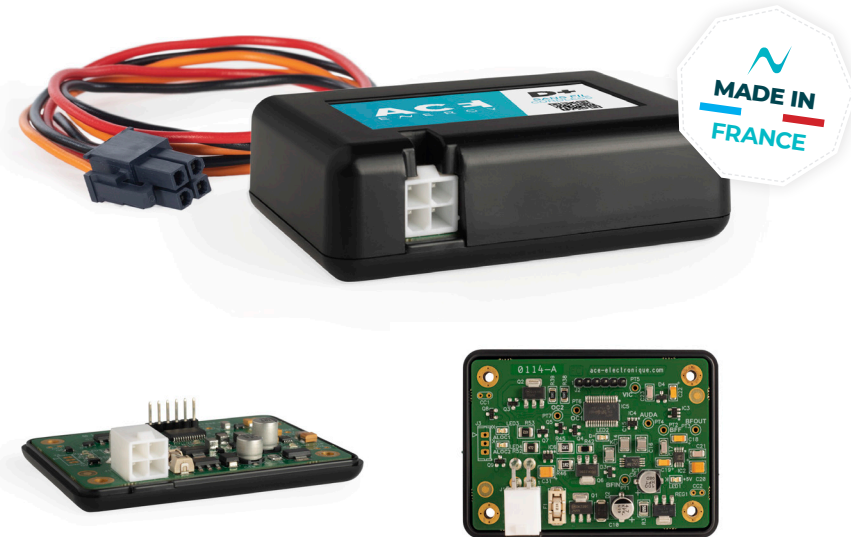
	MPPT20
Référence	11100-05020
Battery voltage	12-24-48V _{DC} (automatic detection)
Charge current	20A
Solar panel input voltage	< 80V _{DC}
Température de fonctionnement	-20 to +40°C
Dimensions	130x156x50mm
Weight	0.55Kg

Specifications

	MPPT10030
Reference	11100-10030
Battery voltage	12-24V _{DC} (automatic detection)
Charge current	30A
Solar panel input voltage	< 100V _{DC}
Minimum Vmpp	battery voltage +2V
Charge start	battery voltage +3V
Low Voltage Protection	10.5V (settable)
Efficiency	99.5%
Self-consumption	0.5 to 1.2W
Operating temperature	-20 to +50°C
Dimensions	289x212x105mm
Weight	1.98Kg

Use

- › With ACE Energy's D+ Cordless box, your installation is under control! This signal allows you to determine if the engine is running, and, in turn, activate certain equipment for which the signal is required.
- › Cordless innovation: on many modern vehicles (mainly EURO 6), this signal is sometimes impossible to be captured directly on the alternator. Our Cordless D+ box detects the start and stop of the alternator with no wired connection to it, and activates the desired equipment only when the engine is running.



Features

- › Simplifies your installation
- › Without a wired connection to the alternator
- › Compatible with EURO 6 / 6+ vehicle

Specifications

	ACE-D-PLUS-SF
Reference	10100-0129A
Dimensions	L76xP56xH23mm
Weight	60g

Features

- › PWC350 is a **high precision battery capacity meter** (coulometer), which can measure **voltage**, **current** and **capacity** of battery to allow users to know the state of charge of the battery.
- › PWC350 have **memory function**.
- › It is **suitable for** mobile and portable equipments, e-bike, balance cars, cleaning machines, instruments, UPS, etc...
- › **Supplied cable:** 5m or 10m

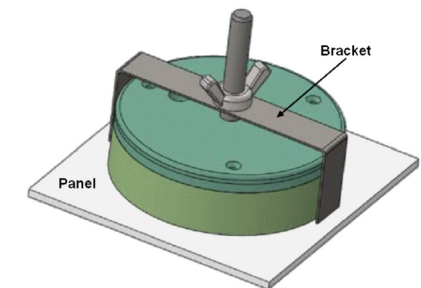


Physical Dimension

Front Diameter	59mm (2.32 inches)
Back Diameter	54mm (2.13 inches)
Depth	20mm (0.79 inches)

Mounting Sequence

- › Make a **54mm diameter hole** in the panel.
- › **Install** the battery monitor.
- › **Tighten the bracket** on the back of the PWC350 monitor.

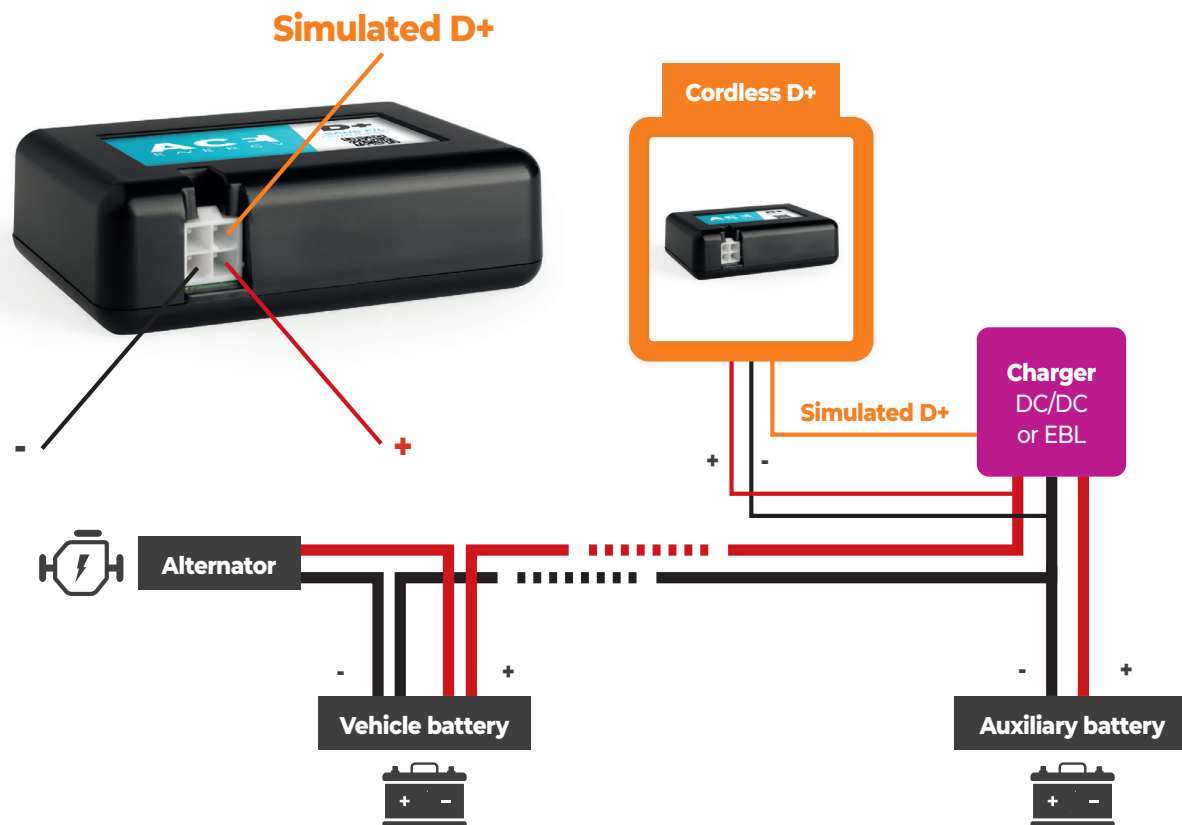
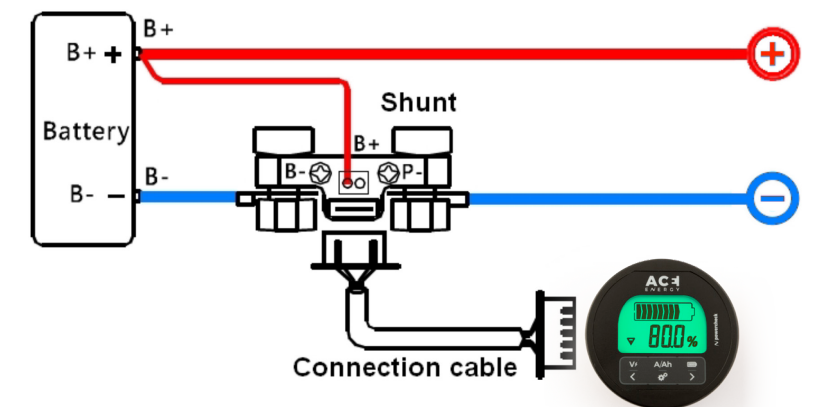
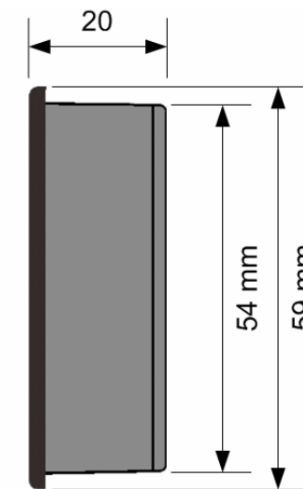


General Information

Reference	10310-0350A / 10310-0350B
Working Voltage	8-80V
Working Current	0-500A
Battery Capacity	0-999Ah
Weight	410g (coulometer + shunt)
Battery type	Li-ion, LiFePO ₄ , NiCd, NiMH, Lead acid, Gel and AGM

Connection diagram

- › **Connect the shunt** only on the negative pole of the battery.
- › The wire connecting the pole plus of the battery to the shunt must have a **minimum section of 0.5 mm²**.



Features

- › The ACE-CP300A circuit breaker is a two-position disconnect switch that allows you to secure your battery park during the winter. With just a single action, you can cut off all residual consumption to protect your battery from deep discharge.



Assembly

- › Surface mounting.
- › Connection type M10.

Specifications

Reference	46011-0300A
Width	69 mm
Length	69 mm
Depth	75 mm
Nominal voltage	12-24V
Rated current 12V	0-300A
Rated current 24V	0-150A
Instantaneous current 12V	1000A
Weight	268g

Câbles

- › ACE Energy will support you at every stage of your installation, with a reference panel covering all cabling and connector needs.
- › Wide range of catalogue references or specific cable designs on request.



Type	Colour	0.5 m	1 m	2 m	5 m	10 m
Cable 35mm²	Red	ACE-CBR35005	ACE-CBR35010	ACE-CBR35020	ACE-CBR35050	ACE-CBR35100
	Black	ACE-CBN35005	ACE-CBN35010	ACE-CBN35020	ACE-CBN35050	ACE-CBN35100
Cable 25mm²	Red	ACE-CBR25005	ACE-CBR25010	ACE-CBR25020	ACE-CBR25050	ACE-CBR25100
	Black	ACE-CBN25005	ACE-CBN25010	ACE-CBN25020	ACE-CBN25050	ACE-CBN25100
Cable 16mm²	Red	ACE-CBR16005	ACE-CBR16010	ACE-CBR16020	ACE-CBR16050	ACE-CBR16100
	Black	ACE-CBN16005	ACE-CBN16010	ACE-CBN16020	ACE-CBN16050	ACE-CBN16100
Cable 10mm²	Red	ACE-CBR10005	ACE-CBR10010	ACE-CBR10020	ACE-CBR10050	ACE-CBR10100
	Black	ACE-CBN10005	ACE-CBN10010	ACE-CBN10020	ACE-CBN10050	ACE-CBN10100
Cable 6mm²	Red	ACE-CBR06005	ACE-CBR06010	ACE-CBR06020	ACE-CBR06050	ACE-CBR06100
	Black	ACE-CBN06005	ACE-CBN06010	ACE-CBN06020	ACE-CBN06050	ACE-CBN06100
Cable 4mm²	Red	ACE-CBR04005	ACE-CBR04010	ACE-CBR04020	ACE-CBR04050	ACE-CBR04100
	Black	ACE-CBN04005	ACE-CBN04010	ACE-CBN04020	ACE-CBN04050	ACE-CBN04100



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- › 12V / 24V configurations
- › Wide range of voltage regulators

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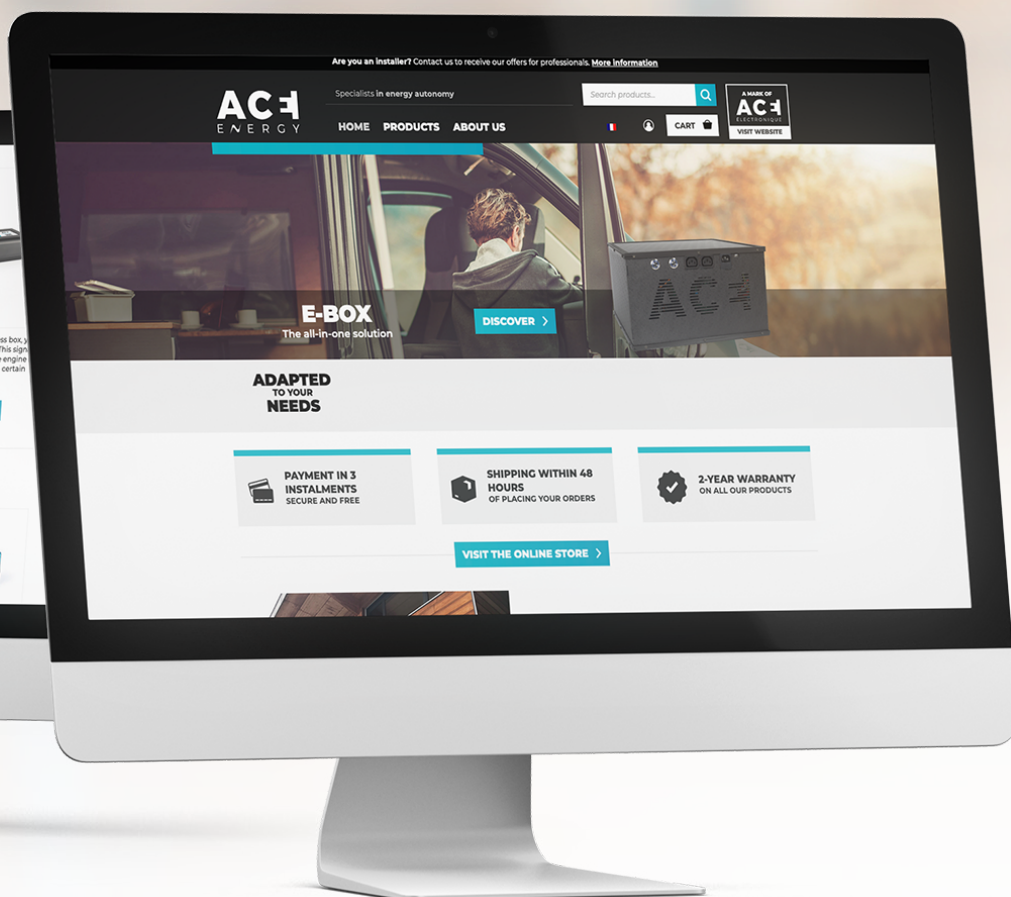
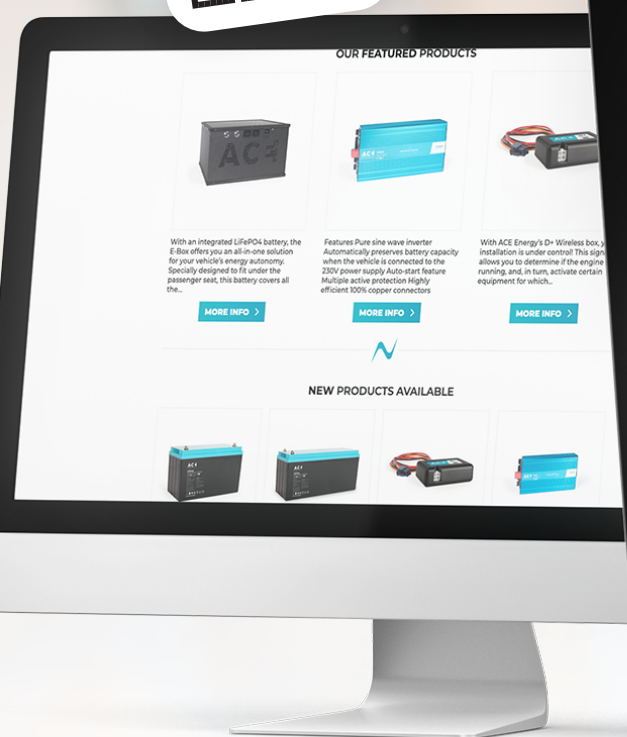
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