

E-DIAG CHARGER

**Recharge and diagnosis,
anywhere in your workshop**



TEXA

E-DIAG CHARGER

It is an advanced **recharge and diagnosis** mobile device, which meets the current needs of workshops and allows facing better any issue related to the **maintenance and management of electric and hybrid vehicles, plug-ins included**.

It allows recharging in both direct and alternating current (DC and AC up to 1000 V), so vehicle repairers can try the two types of vehicle power supply effectively. It is available in **three power variants: 22 kW, 30 kW* or 60 kW***.

Its innovative diagnostic function is very important. It **allows checking the traction battery's state of health** and diagnosing the systems involved in the charging process, thanks to the NANO SERVICE diagnostic module, supplied as standard. Moreover, workshops can obtain another document related to the battery state of health through a certificate that can be requested with a simple click directly on the tool. This service will be particularly useful for the residual value of the vehicle, in which the traction battery is one of the most expensive components. It is a reliable and versatile solution, which easily adapts to different operating situations and is able to adjust the charging power automatically, based on the power supplied by the workshop's electrical system (through the three-phase PLC energy meter accessory for E-DIAG CHARGER). E-DIAG CHARGER can also be equipped with a dedicated module for recharging service batteries, capable of managing the recharge, maintenance and diagnosis on 12 and 24 V batteries.



**Certified in
accordance with the
following regulations:
IEC 61851-1**

**IEC 61851-23
EN 62311
IEC 61851-21-2**

**EN 300 328
EN 301 489-1
EN 301 489-17**

10" touchscreen display
industrial

**VCI NAVIGATOR
NANO SERVICE**
included
for vehicle diagnosis

**Dedicated module
for service
battery charging***
(optional)

**Windows operating
system**

Multifunction LEDs
High visibility

**AC charging cable
(3 m)**
Type 2

**Emergency stop
button**

Power cable (8 m)
with 32 A, 63 A,
125 A mobile plug
based on the
station's power
variant

**DC charging
cable (3 m)**
CCS 2 Combo

**BATTERY STATE
OF HEALTH**
Standard report
Accredited certificate

Recharge report
Printable

**3 power
variants**
22 kW
30 kW*
60 kW*

**Off-road rear wheels
and front
soft wheels**

Steel body
67x112x74 cm

**Wi-Fi and Bluetooth
connection**

Weight
110 - 150 kg based
on the power



E-DIAG CHARGER includes many functions:

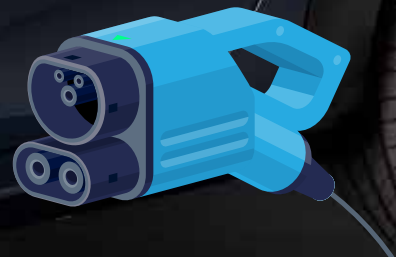
1. **Recharge** of the traction battery in BEVs, PHEVs up to 1000 V
2. **Battery electronic system serial diagnosis**
3. **Battery charging system serial diagnosis**
4. **Designed for recharging and diagnosing 12 and 24 V batteries**
5. **Electrical safety**
6. **Traction battery state of health check and certification**

Recharge

E-DIAG CHARGER allows recharging the traction battery in Battery Electric Vehicles (BEV) and Plug-in Hybrid Electric Vehicles (PHEV), with the possibility to recharge both in **AC via Type 2 connector** and in Direct Current (DC) via **CCS2 Combo connector**.



AC TYPE 2



DC CCS2 COMBO

The available power, based on the model, allows managing the recharging process quickly, thus optimising action times in the workshop.

The recharge measure, both in AC and in DC, is **MID (Measuring Instruments Directive)** certified based on the Directive 2014/32/EU, which certifies the measuring tools and protects vehicle repairers and customers.

Moreover, at the end of the recharge, the customers also receive another **certificate* related to the battery state of health.**

It is a particularly useful service for car drivers as it returns precise and reliable data on the residual capacity of the vehicle's battery.



*Certificate generated by an accredited third party.



Electrical safety

Each time E-DIAG CHARGER is started, it performs an internal self-diagnosis so to guarantee proper operation from an electrical safety point of view.

Diagnosis

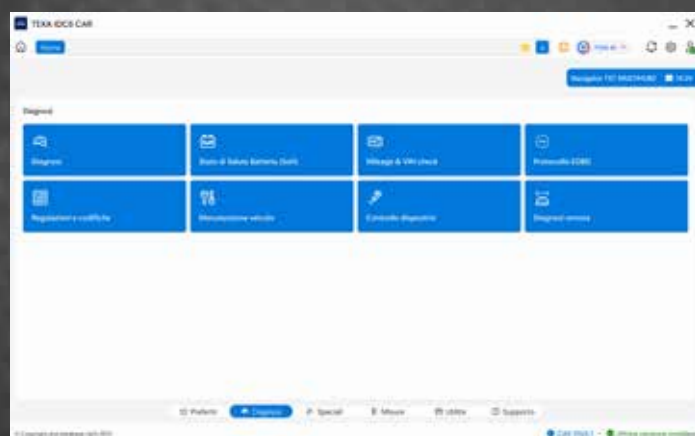
TEXA's built-in diagnosis makes checking the charging systems' operation possible, during the recharge itself. Moreover, using **NAVIGATOR NANO SERVICE** (through the vehicle's OBD socket), you can **view the diagnostic parameters** provided by the control units in the vehicle, connect to the BMS, and even monitor the status of each cell individually, other than **fully read the parameters relating to the battery and charging system**.



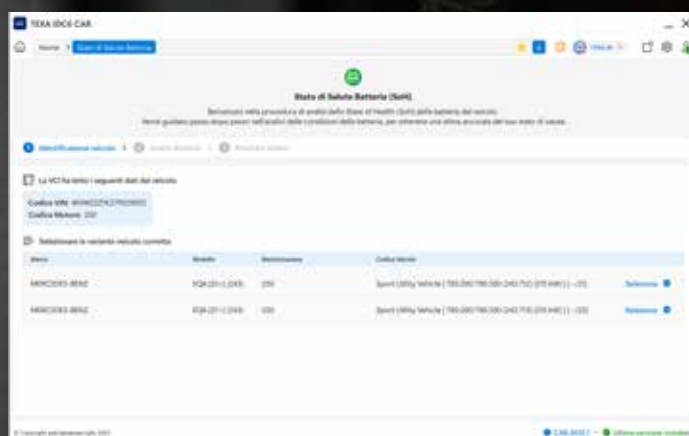
Battery State of Health (SoH)

In the field of electric and hybrid vehicles it is increasingly important, from the point of view of both mechanics and car drivers, to precisely evaluate the state of health of the traction battery and the duration of the main components on board the vehicle.

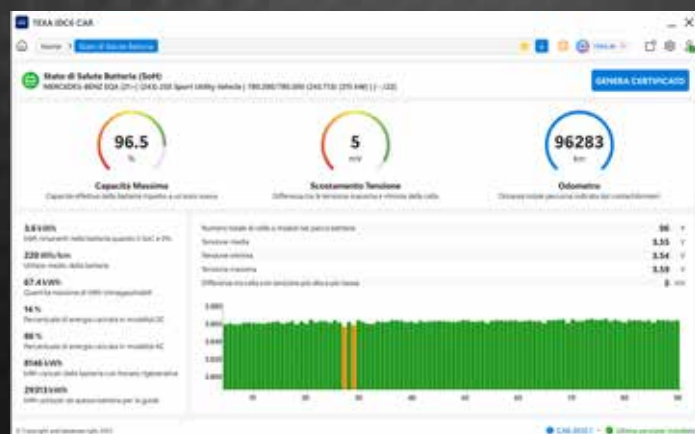
In this sense TEXA developed a process that returns an accurate percentage valuation of the battery's State of Health (SoH), through the parameters obtained directly from the control units and processed in cloud. This procedure is a standard in E-DIAG CHARGER. Furthermore, mechanics who want to offer their customers an **accredited certificate** relating to the **battery state of health** can request it directly from the tool. They will receive it within a few minutes at their email address.



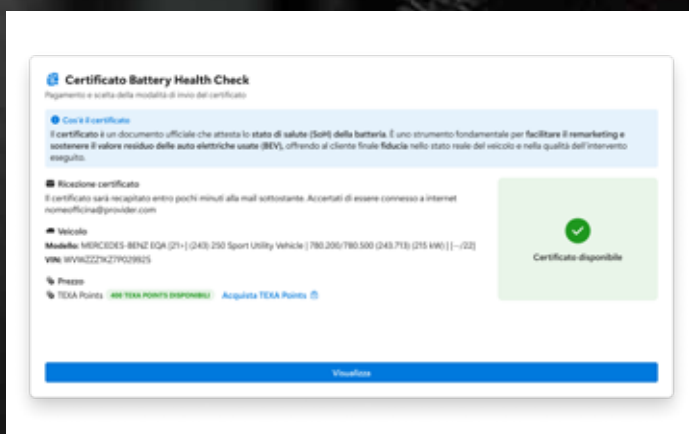
Selection menu



Vehicle identification



Dashboard with battery status



State of Health certificate by an accredited party available upon payment

Certification for the battery state of health

- **Workshop certificate:** vehicle repairers who own a TEXPACK E-DIAG CHARGER can provide customers with a certificate on the battery state of health with their own header. Service included in the TEXPACK E-DIAG CHARGER subscription.
- **Accredited certificate:** it is the same certificate as the workshop's, but it is accredited by a third party. The accredited certificate is a paid service, charged on a pay-as-you-go basis, and reserved to the customers who own a TEXPACK E-DIAG CHARGER.

1 st	BUILT-IN SOFTWARE	Included with E-DIAG CHARGER
2 nd	TEXPACK E-DIAG CHARGER	Optional, annual subscription
3 rd	SoH CERTIFICATE	Optional, pay-as-you-go



Dati dell'officina

 Nome: Evvicarger
Indirizzo: Via Pistoni Roventi, 6 - 35121 - Testata (BO)
Operatore: Massimo Ilardi

CERTIFICATO OFFICINA
STIMA DELLO STATO DI SALUTE DELLA BATTERIA (SoH)

Data: 06/07/25 Ora: 12:34 PM

Informazioni sull'esecuzione del test

Luogo: Monastier di Treviso
Data: 06/07/25
Ora: 12:34 PM

Dati del veicolo

Marca/Produttore	MERCEDES-BENZ	Nome	Luigi Galvani
Modello	EQA 250+	Indirizzo	Via Maxwell, 4
Targa	AB123CD	CAP	35121
VIN	123456789ABCDEF	Provincia	TV
Prima registrazione	06/07/2024	Città	Treviso
Chilometraggio dalla data del test		Codice	CLI - 245

Dati del cliente

Informazioni sulla batteria ad alta tensione

Capacità nominale lorda	69.7 kWh	Temperatura media cella/modulo	25.2 °C
Capacità nominale netta	66.5 kWh	Resistenza di isolamento del veicolo	3.581 MΩ
Architettura della batteria	400V	Stato di carica della batteria HV (SoC)	52%
Tipo di batteria	ioni - Litio	Tensione effettiva del pacco batteria	341.3 Vdc
Tensione media cella/modulo	3.88 Vdc	Tensione nominale del pacco batteria	367.0 Vdc

Stato di salute stimato della batteria (SoH)

95 %

Workshop certificate

CERTIFICATO
DA ENTE ACCREDITATO SULLO STATO
DI SALUTE DELLA BATTERIA (SOH)



Informazioni sull'esecuzione del test

Luogo: Monastier di Treviso
Data: 06/07/25
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Dati del veicolo

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VIN	123456789ABCDEF	Provincia	TV
Prima registrazione	06/07/2024	Città	Treviso
Chilometraggio dalla data del test	12.345	Codice	CLI - 245

Dati del cliente

Informazioni sulla batteria ad alta tensione

Capacità nominale lorda	69.7 kWh	Temperatura media cella/modulo	25.2 °C
Capacità nominale netta	66.5 kWh	Resistenza di isolamento del veicolo	3.581 MΩ
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Stato di salute stimato della batteria (SoH)

95 %

Accredited certificate

Recharge and diagnosis never seen before With a 10" multi-touch display

E-DIAG CHARGER is equipped with a **10" multi-touch colour display**, which guarantees great useability and a clear view on the operations to complete. Very interesting is its **glove-touch** technology, which ensures perfect use even if the operator is wearing gloves.

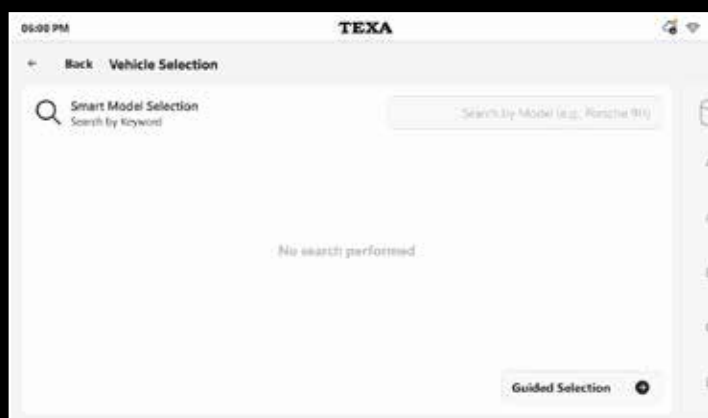


Direct access to the most useful operations

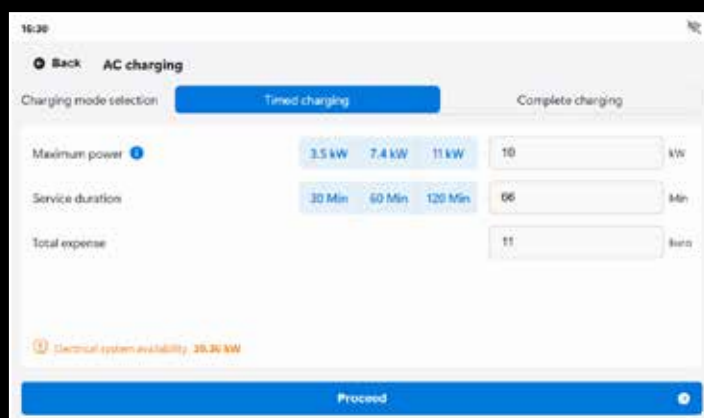
Thanks to a simple and intuitive software

The E-DIAG CHARGER software, developed based on **Windows**, provides all the information the user needs in a single screen so to have direct access to the most useful information. The easy-to-navigate menu exploits the wide display and reduces to a minimum the various operating steps: in next to no time, you will move from the initial activation phases to carrying out the diagnosis or charging services.

Below there is a summary of the main software screens, from the selection of the service to the diagnosis and charging phases:



Intelligent vehicle selection in automatic VIN SCAN 2.0 mode or guided by make and model



Selection of the timed or complete charging mode



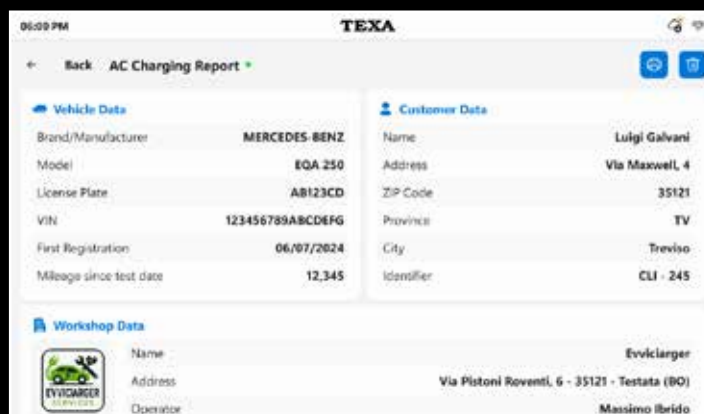
Charging service in AC mode



Charging service in DC mode with status messages



Example of service messages



Customer - workshop



Power supply and energy management

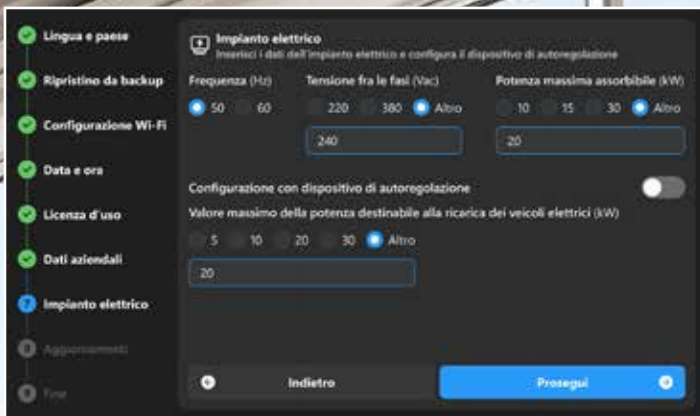
E-DIAG CHARGER is powered by an industrial three-phase electrical outlet (5 pin: 3 phases + Neutral + Protection Earth) available in the workshop's electrical system. It allows **charging two vehicles simultaneously, one in AC and the other in DC**, with settable power thresholds. Furthermore, it can manage the **automatic adjustment** via accessory **(PLC ENERGY METER)** of the maximum **charging power** on the two branches avoiding untimely disconnections due to overdraw or the interventions of protections in the device's electrical power system and respecting the maximum power that can be used in the workshop's system.



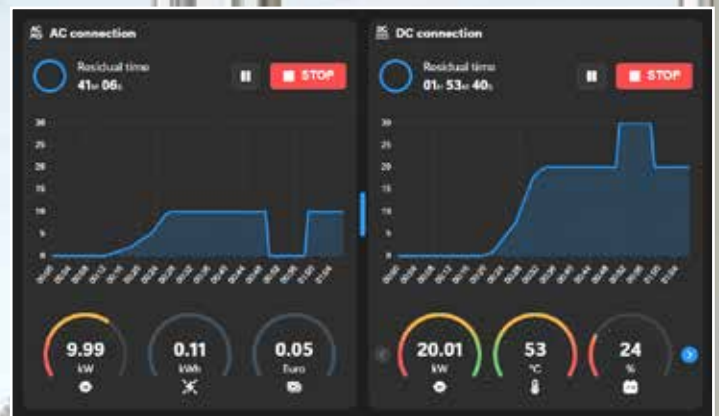
PLC Energy Meter
Optional

Design and mobility

As by TEXA's tradition, during the project phase, special attention was given to the design and useability of the product, which were made clear through the well-finished and captivating contours, though preserving the practicality and immediateness of use. The structure, equipped with two practical castor wheels, can be moved easily and can therefore be used in small-sized workshops also.



Adjustment device and workshop electrical system data configuration (optional)



Simultaneous charging service in AC and DC mode



**Reliable, versatile and intuitive,
E-DIAG CHARGER is perfect
for workshops that want to keep pace
with the new sustainable mobility.**

Technical features



*Available soon.

Technical data

E-DIAG CHARGER

Dedicated module for service battery charging*



Power					
		22 kW	30 kW*	60 kW*	3 kW
Environmental conditions					
Operating temperature		-40 °C ~ +60 °C, reduction required with temperature >50 °C			-40 °C ~ +60 °C, reduction required with temperature >50 °C
Storage temperature		-40 °C ~ +70 °C			-40 °C ~ +70°C
Operating relative humidity		≤90% RH, without condensation			≤90% RH, without condensation
Operating altitude		2,000 m at sea level			
Protection level		IP41			
Maximum operating noise		< 69 dB at a distance of 1 m			
Alternating current power supply					
Three-phase mains power socket IEC 60309		32A	63A	125A	
Length of power cable		8m			
Power distribution		3P + N + PE			
Operating supply voltage		380...480 VAC +6%/-10%			90-264VAC
Nominal input current		32A	44A	87A	
Maximum power supply		22 kVA	30 kVA	60 kVA	
Operating frequency		50/60Hz			50/60Hz
Absorption in stand-by mode		≤ 350 VA			
Electrical efficiency		≥ 94%			≥ 91%
Power factor at full load		≥ 95%			≥ 95% / 230 VAC, 0.98 / 115 VAC at full load
Direct current output					
Voltage values		150 Vdc ~ 1000 Vdc			5 Vdc ~ 26Vdc
Current values		0 ~ 100 A	0 ~ 100 A	0 ~ 200 A	0 ~ 125 A
DC charging connector		CCS2			
Length of DC charging cable		3,3 m			
Alternating current output					
AC charging connector		TYPE 2			
Length of AC charging cable		3,3 m			
Reference regulations					
		IEC 61851-1 IEC 61851-23 IEC 61851-21-2 CCS2 DIN 70121:2012 ISO 15118:2013 ISO 15118:2010			EN 62368-1 EN 55032 EN 61000-3-2 EN 61000-3-3 EN 55035: 2017/A11: 2020 IEC 61000-4-2,3,4,5,6,8,11
User interface, control and communication					
Display		TFT 10.1" display Gorilla® Glass, Resolution: 1024x600			
Connectivity		IEEE 802.11a/b/g/n/ac/ax Wi-Fi 6E and Bluetooth 5.3			USB Type B
Operating system		Windows 11 IoT Enterprise LTSC			
Mechanical dimensions					
Dimensions (L x A x P)		668 x 1123 x 744 mm			390 x 470 x 105 mm
Weight		110 kg	120 kg	150 kg	8 kg

Simplifying the present, anticipating the future



Founded in 1992
60,000 covered sq. m
in an area of over 100.000 mq
2 new plants



7 subsidiaries
in the world



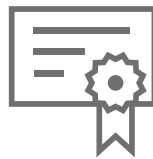
Approximately 1,000 TEXA
employees in the world
over 400 technical profiles



700 Distributors
over 200,000 active
customer workshops



Patents
85 Master, 165 total



Certifications:
ISO 9001
IATF 16949
E.P.A.
ISO/IEC27001
TISAX
ISO 14001:2015

WARNING

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