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

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

*Available soon.

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

DC charging cable (3 m)
CCS 2 Combo

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

Recharge report
Printable

BATTERY STATE OF HEALTH
Standard report
Accredited certificate

3 power variants
22 kW
30 kW
60 kW*

Steel body
67x112x74 cm

Off-road rear wheels
and front soft wheels

Wi-Fi and Bluetooth connection

Weight
110 - 150 kg based on the power

*Available soon.

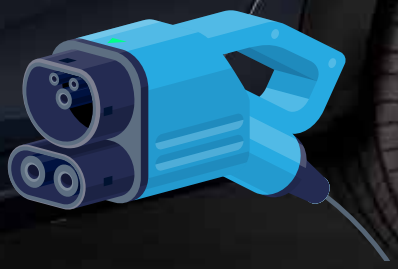
E-DIAG CHARGER includes many functions:

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.

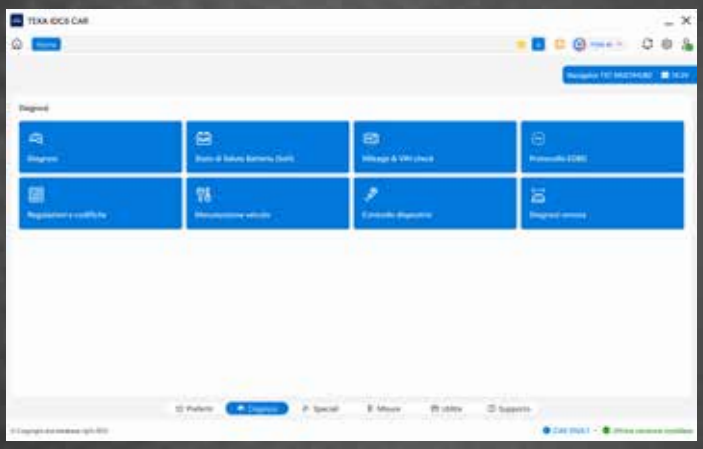
Diagnosis

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**.

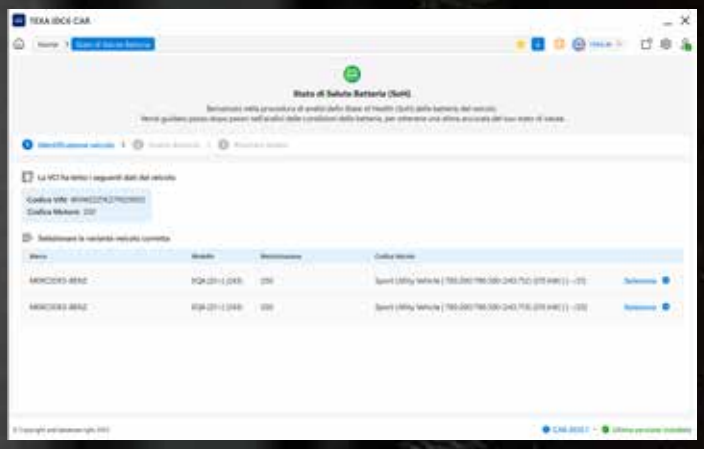
Battery State of Health (SoH)

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.

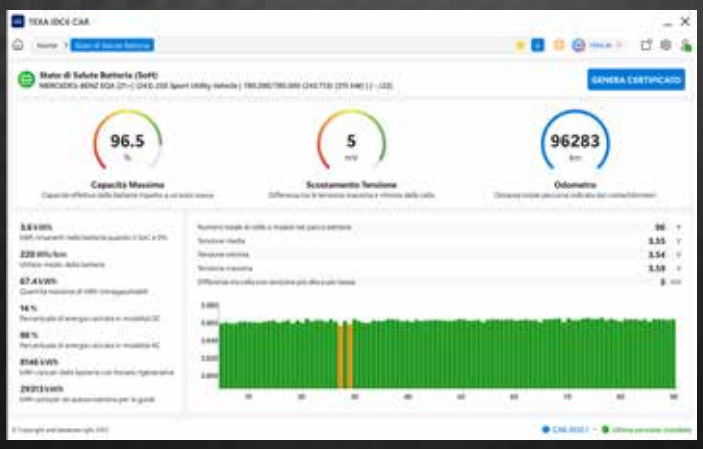
In this sense TEXA developed a process that returns an accurate percentage valuation of the battery's State of Health (SoH), through the parameters obtained directly from the control units and processed in cloud. This procedure is a standard in E-DIAG CHARGER. Furthermore, mechanics who want to offer 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.



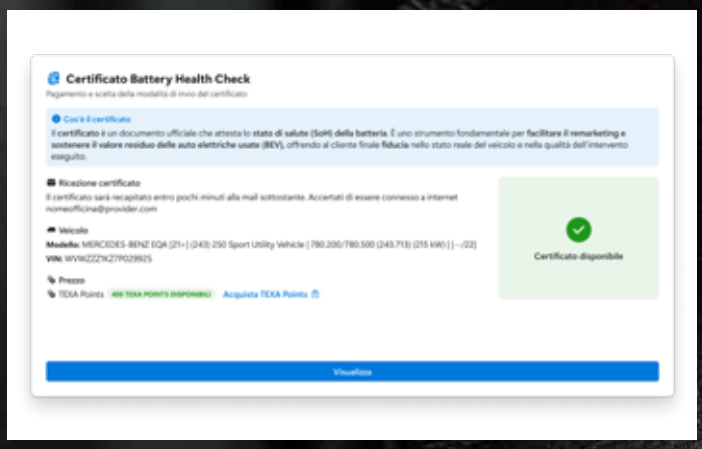
Selection menu



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.

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

SERVICE CERTIFICATE
Battery State of Health (SoH)

Battery in good condition, no anomalies detected

Battery State of Health (SoH)	Battery imbalance	Odometer
96.6 %	12 mV (0 mV – 20 mV – + mV)	0 7 1 8 4 2 km

Workshop Information

Company Name	EVTech Solutions S.r.l.	Phone	+39 049 7654321
ZIP Code	35129	Address	Via della Meccanica 14
Province	PD	City	Padova
Email	assistenza@evtech.it	Country	Italy

Vehicle Information

Brand	Hyundai
Model	Kona Electric
Model Detail	64 kWh Long Range
Powertrain	150 kW (204 HP)
VIN	KMHJ381AGJH452317
SoC	54%
Odometer	71,842 km

Test Conditions

Date	11/26/2025
Time	10:42
Location	Padova
Ambient Temperature	17°C

Battery Information

Battery capacity "new"	64.0 kWh
Battery Temperature	23°C
Number of fast charges performed	214
Number of slow charges performed	611
Battery imbalance	12 mV

Cell or module information

Number of elementary cells or modules	98 cells
Highest cell voltage value	4.12 V
Number of cell with highest value	Cell 72
Lowest cell voltage value	4.11 V
Number of cell with lowest value	Cell 19

Vehicle Condition

Total AC charges	611	Energy for fast charges	9.420 kWh (37% of TOTAL)
Total DC charges	214	Energy for slow charges	15.960 kWh (63% of TOTAL)
Total energy discharged	12,940 Ah	Total energy used	25.380 kWh
Total energy charged	13,080 Ah	Average consumption	16.8 kWh/100 km

NOTA: Dati validi dall'ultimo reset del BMS

Workshop certificate

POWER CHECK CONTROL Battery Health Check

CERTIFICATE for VIN: 5YJYGDEE5LFG00000

Car Model: Tesla Model Y Long Range AWD 77.8 kWh

Creation date and time: 2025-11-06 21:23:41+01:00

Certificate created in:

General informations:

Manufacturer: Tesla
Country: United States
Year: 2020
Plant: Fremont, CA, USA
Battery: Electric

Max Capacity	Delta mV
83.7%	10
Actual max battery capacity respect to brand new car	Difference between max and min cell voltage

Odometer	Wh/km
171839 km	237
Total distance driven shown by odometer	Average battery usage performed by this battery

1 / 6

PKC

Accredited certificate

Recharge and diagnosis never seen before

With a 10” multi-touch display

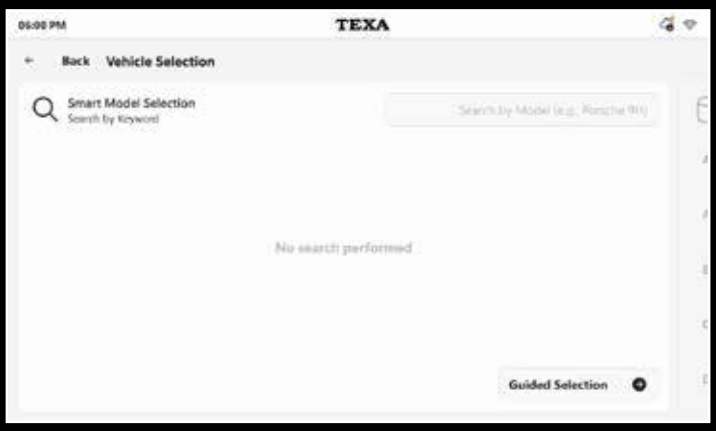
E-DIAG CHARGER is equipped with a **10” multi-touch colour display,** which guarantees great useability and a clear view on the operations to complete. Very interesting is its **glove-touch** technology, which ensures perfect use even if the operator is wearing gloves.

Direct access to the most useful operations

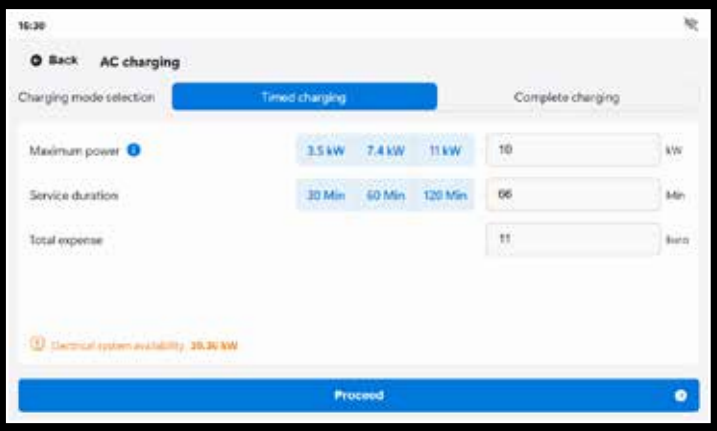
Thanks to a simple and intuitive software

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.

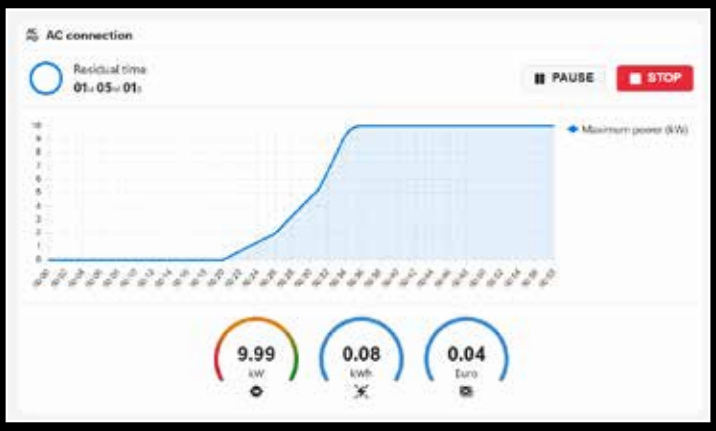
Below there is a summary of the main software screens, from the selection of the service to the diagnosis and charging phases:



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

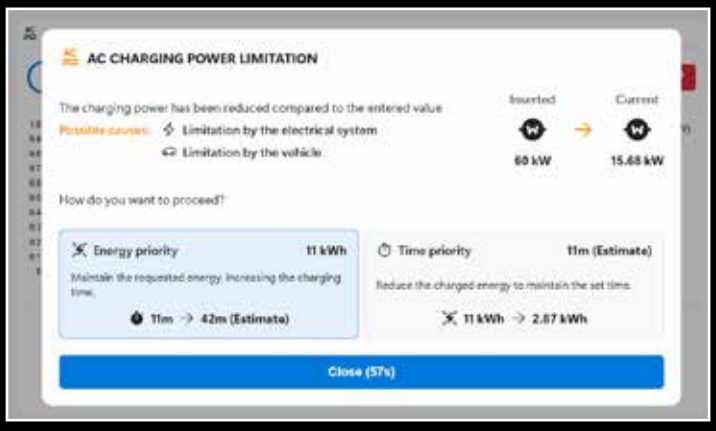


Selection of the timed or complete charging mode



Charging service in AC mode

Charging service in DC mode with status messages



Example of service messages

Customer - workshop

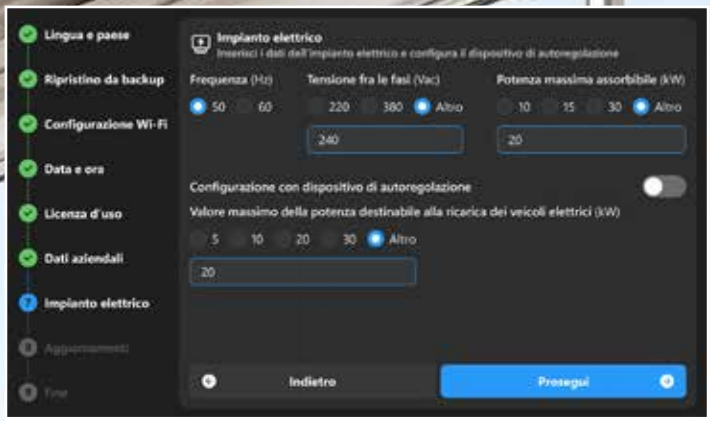
Power supply and energy management

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

10” display
Industrial touchscreen

High-visibility
multi-function LEDs

3 power variants

22 kW 30 kW 60 kW*

Cooling
air inlet

Emergency
button

DC charging
cable (3 m)
CCS 2 Combo

Connectivity

Wi Fi

NAVIGATOR
NANO SERVICE
Vehicle interface
as a standard

Dedicated module
for service
battery charging*
(optional)

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

AC charging
cable (3 m)
Type 2

Cooling air flow
direction

OUT

IN

Air filter

Off-road rear
wheels and
front soft wheels

*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

*Available soon.

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

To check out the extensive coverage of TEXA products, go to: **www.texa.com/coverage**

To check on IDC6 compatibility and minimum system requirements, go to: **www.texa.com/system**

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TEXA S.p.A.
Via 1 Maggio, 9
31050 Monastier di Treviso
Treviso - ITALY
Tel. +39 0422 791311
Fax +39 0422 791300
www.texa.com - info.it@texa.com

COMPANY WITH
QUALITY SYSTEM
CERTIFIED BY DNV
ISO 9001