

POWERING THE ELECTRIC FUTURE | SINCE 1977

Made in
Türkiye

SOLVIO ONE

SINGLE GUN DC ELECTRIC VEHICLE CHARGER

30 KW

40 KW

SOLIPARTS



FEATURES



OEM / PRIVATE LABEL

Deploy a premium charging network under your own brand with our full OEM solutions. Manufactured in **Türkiye** to strict IEC 61851 and **CE** standards, our hardware eliminates R&D overhead and ensures long-term credibility with warranties up to **10 years**.



MAXIMIZED ROI

Boost profitability with a **96% conversion rate** and integrated DC Metering for precise billing. Features a **0.98 power factor** to avoid grid penalties, plus built-in AC/DC residual current protection and a **40 kA Type 2** surge arrestor to simplify your BOM and enhance safety.



FLEXIBLE BILLING

Adapt to any revenue model, from **RFID** fleet control to **app-based** payments and unattended terminals. Ready for instant deployment without additional hardware simply configure your preferred access model on-site and start generating revenue immediately.



RAPID MAINTENANCE

Maximize uptime with a modular layout engineered for fast component access. Drastically reduce Mean Time to Repair (MTTR), minimize downtime, and build driver loyalty through consistent, dependable service.



OPEN BACKEND

Maintain total control with zero backend lock-in. Supporting **OCPP 1.6J** (upgradable to **2.0.1**), the Solvio One integrates with any CPMS. ISO 15118 and DIN 70121 compliance ensure Plug & Charge readiness, while 4G, Wi-Fi, and Ethernet provide reliable connectivity.



ALL-CLIMATE READY

Engineered for extreme environments, from Nordic winters to Middle Eastern heat. Features **IP54 ingress protection**, **IK10 impact resistance**, and a resilient operating range of **-30°C to +55°C**, ensuring consistent performance where other units fail.

TECHNICAL SPECIFICATION

30 kW

40 kW

POWER INPUT

Input Current		80A
Input Voltage		400VAC ±10%
Input Frequency		50Hz / 60Hz
Power Factor		0.98
Measurement		Internal DC Meter
Efficiency		%96

POWER OUTPUT

Output Current	100 A	150 A
Output Voltage		150 - 1000VDC
Output Connector		CCS2 CCS1 GB/T CHAdeMO
Number of Outputs / Guns		1
Power	30 kW	40 kW

* Technical specifications are subject to change based on project-specific requirements and regional certifications.

TECHNICAL SPECIFICATION

PROTECTION

Internal AC RCD	30mA-5A
Internal DC RCD	DC Insulation 6mA
Surge Protector	40 kA C Type

USER INTERFACE

Screen	7" HMI
Status Indicator	LED
Charging Start Options	Plug & Play, RFID Card, Mobile App, Payment Terminal
RFID Reader	MF RC522, 13.56 MHz

TECHNICAL SPECIFICATION

COMMUNICATION

Network Interface

4G, Wi-Fi, Ethernet

Protocol

Supports OCPP 1.6J, Upgradable to OCPP 2.0.1

EV Communication Protocol

DIN 70121, ISO 15118

ENVIRONMENTAL FACTORS

Operating Temperature

-30°C to +55°C

Storage Temperature

-40°C to +80°C

Altitude

≤2000

Humidity

5% - 95%

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TECHNICAL SPECIFICATION

MECHANICAL CHARACTERISTICS

Protection Class IP (IEC 60529)	IP54
Impact Protection IK (IEC 62262)	IK10 (Screen IK08)
Cooling	Natural + Fan
Cable Length	5m - 20m
Cable Management System	Optional – available as factory-fit or field-retrofit
Dimensions (WxHxD)	750x1200x300 mm
Weight	120 kg
Country of Origin	Türkiye

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TECHNICAL SPECIFICATION

Compatibility

Certificate

CE

Standards

IEC 61851-1, IEC 61851-21-2, IEC 61851-23, IEC 62196-3

Warranty

2 - 5 - 10 Years (Depends on the Region)

Assembly Type

Floor Mounted

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**CHARGE FAST,
DRIVE FASTER**

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