



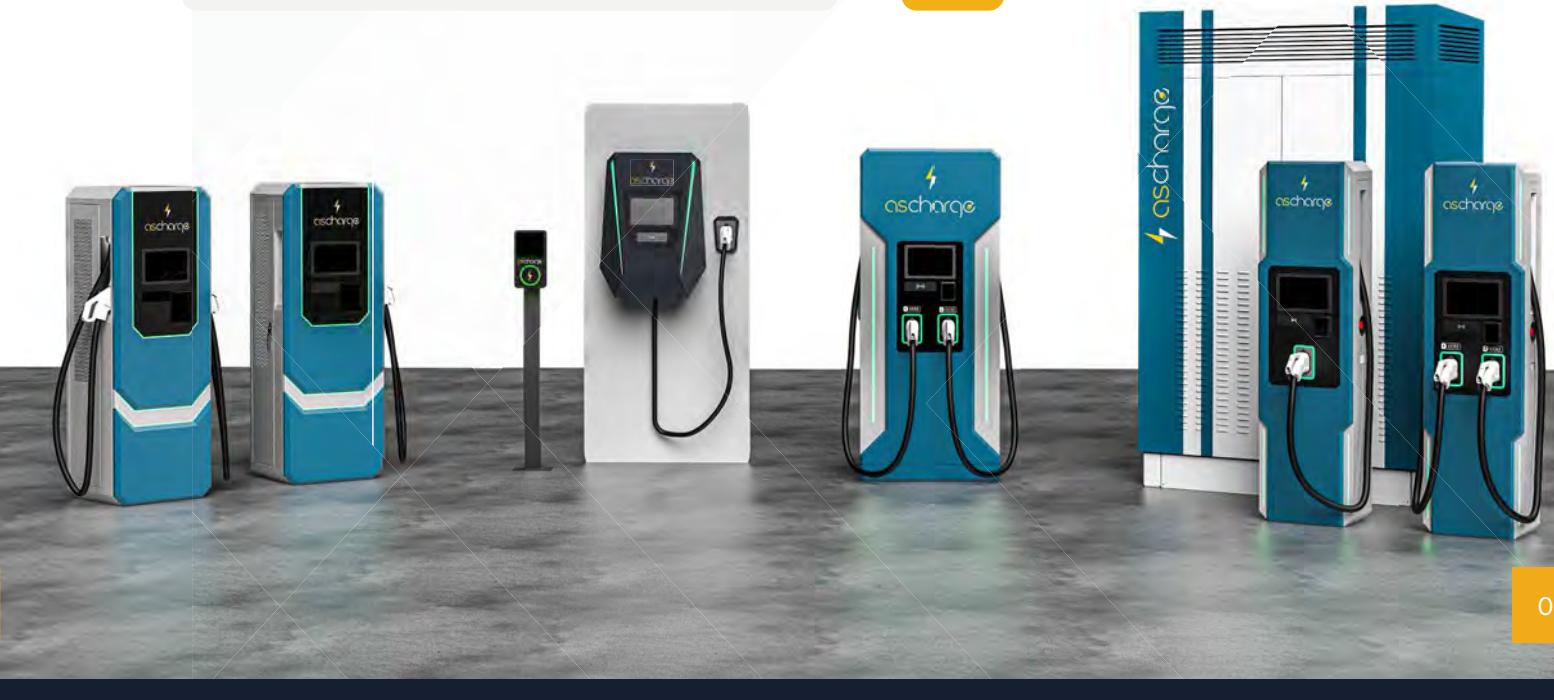
# Electric Vehicle Charging Systems

## 2024 Product Catalog



# Contents

About Us	02
Projects	04
20-40 kW Fast Charging System	06
60-100 kW Fast Charging System	08
80 kW Fast Charging System	10
120-200 kW Fast Charging System	12
240-360 kW Fast Charging System	14
480 kW Fast Charging System	16
600 kW Fast Charging System	18
800 kW Fast Charging System	20
Mobile Fast Charging System	22
Mobile App. and Charging Network Man.	24





## About Us

“ In the renewable energy, defense, transportation and aerospace sectors; We are a technology development company that is able to develop and produce according to international standards with our competent and experienced R&D engineers, production staff, project and management teams. ”





## What are We Producing?

- Electric Vehicle Fast Charging Systems
- Energy Storage and Battery Management Systems
- DC Power Sources and Battery Chargers
- Static Frequency Converters
- Servo and Static Voltage Regulators
- Rectifier
- Inverter
- Frequency Converter
- Uninterruptible Power Supply (UPS)
- Special solutions for the Defense Industry



## Electric Vehicle Charging Systems

We produce Electric Vehicle Fast Charging Systems that can be directly integrated with solar panels and energy storage systems in the power range of 20-800 kW.



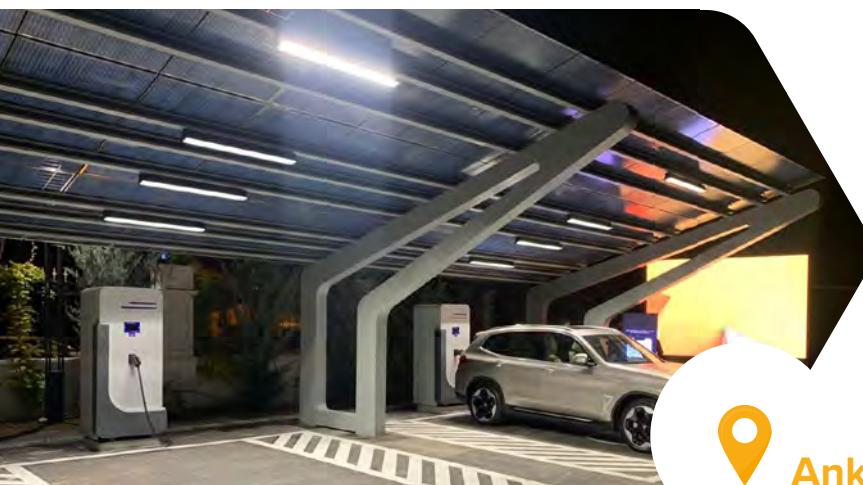
# Projects



## KMO - OPET Station

**2 x 200 kW Fast Charging System  
2 x 50 kW Fast Charging System**

Although the charging process of Electric Vehicles can be supported by solar energy, solar energy can provide energy to the batteries and the grid when needed.



**EMRA Garden**  
**(Energy Market Regulatory Authority)**

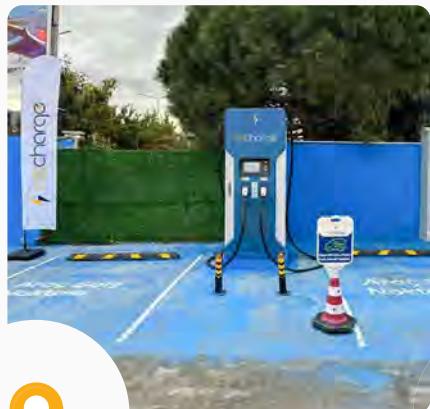
**2 x 50 kW Fast Charging Systems**

Off-Grid electric vehicle fast charging system compatible with solar panel and energy storage systems.

Ankara

## In Numerous of Locations Domestically and Internationally

Particularly for licensed companies that have secured tenders under the Ministry of Industry Grant Support Program, we will persist in supplying energy at numerous locations both domestically and internationally with 120 kW Fast Charging Units and other charging units we provide.



### Samsun Metropolitan Municipality 450 kW Ultra Fast Charging System

We commissioned the project, which includes ultra-fast pantograph charging systems with 450 kW power for buses, for Samsun Metroplitan Municipality. In addition to the pantograph, the systems also have the possibility of charging with the CCS2 charging port.





## 20-40 kW Fast Charging System

### Fast Charge



With Plug and Charge technology, provides fast charging without any intervention.

### Power Increase



Modular structure that can be increased up to 40 kW.

### Contactless Payment



Provides an easy and contactless payment experience on credit/debit card, RFID card, mobile payment or NFC with OCPP support. (optional)



MODEL	AS EVC 3020	AS EVC 3040
<b>Input</b>		
Voltage	3x400 Vac	
Voltage Tolerance	- %20 ~ + %20	
Frequency	50Hz, 60Hz (optional)	
Frequency Tolerance	± %10	
Power Factor	> 0,98	
<b>Output</b>		
Rated Power	20 kW	40 kW
Voltage Range (Vdc)	150-1000 V	
Voltage Ripple	≤ ±5 V	
Efficiency	≥ %95 (at nominal output power)	
<b>Environmental Features</b>		
Operating Temperature	-35 ~ +75 °C *	
Storage Temperature	-40 ~ +75 °C	
Relative Humidity	%5-95 (non-condensing)	
Cooling	Forced Air Cooling	
Protection Degree	IP54 - IK10	
Operational Noise Level	65dBA	
<b>General Features</b>		
Protections	Short Circuit, Over Current, Over Temperature, Emergency Stop Over/Under Output Voltage, DC Ground Leakage	
Isolation	3000 V	
Charge Port	CCS2	
Communication Protocol	OCPP 1,6J	
<b>User Interaction</b>		
Display	10" LCD Panel with Capacitive Touch Screen	
Payment Methods	Mobile Payment, RFID Card, Contactless Payment (optional), NFC (optional)	
<b>Standards</b>		
Communication	ISO15118, DIN70121	
Safety and Compliance	IEC61851-21-2, IEC61851-23:2014	
CCS2	IEC62196 1/3	
<b>Mechanical Properties</b>		
Weight	40 kg	60 kg



Dimensions (mm)      Colors

W: 860	RAL 5004	
D: 365	RAL 7040	
H: 950	RAL 9005	



## 60-100 kW Fast Charging System

### Fast Charge



With Plug and Charge technology, provides fast charging without any for intervention.

### Power Increase



Modular structure that can be increased up to 100 kW.

### Contactless Payment



Provides an easy and contactless payment experience on credit/debit card, RFID card, mobile payment or NFC with OCPP support. (optional)



MODEL	AS EVC 3060	AS EVC 3080	AS EVC 3100
<b>Input</b>			
Voltage	3x400 Vac		
Voltage Tolerance	- %20 ~ + %20		
Frequency	50Hz, 60Hz (optional)		
Frequency Tolerance	± %10		
Power Factor	> 0,98		
<b>Output</b>			
Rated Power	60 kW	80 kW	100 kW
Voltage Range (Vdc)	150-1000 V		
Voltage Ripple	≤ ±5 V		
Efficiency	≥ %95 (at nominal output power)		
<b>Environmental Features</b>			
Operating Temperature	-35 ~ +75 °C *		
Storage Temperature	-40 ~ +75 °C		
Relative Humidity	%5-95 (non-condensing)		
Cooling	Forced Air Cooling		
Protection Degree	IP54 - IK10		
Operational Noise Level	65dBA		
<b>General Features</b>			
Protections	Short Circuit, Over Current, Over Temperature, Emergency Stop Over/Under Output Voltage, DC Ground Leakage		
Isolation	3000 V		
Charge Port	CCS2		
Communication Protocol	OCPP 1,6J		
<b>User Interaction</b>			
Display	10" LCD Panel with Capacitive Touch Screen		
Payment Methods	Mobile Payment, RFID Card, Contactless Payment (optional), NFC (optional)		
<b>Standards</b>			
Communication	ISO15118, DIN70121		
Safety and Compliance	IEC61851-21-2, IEC61851-23:2014		
CCS2	IEC62196 1/3		
<b>Mechanical Properties</b>			
Weight	190 kg	220 kg	250 kg





## 80 kW Fast Charging System

### Fast Charge



With Plug and Charge technology, provides fast charging without any for intervention.

### DC Power Sharing



Provides simultaneous charging with 2 x CCS2 sockets.

### Contactless Payment



Provides an easy and contactless payment experience on credit/debit card, RFID card, mobile payment or NFC with OCPP support. (optional)



**MODEL****AS EVC 3080 DUO****Input**

Voltage	3x400 Vac
Voltage Tolerance	- %20 ~ + %20
Frequency	50Hz, 60Hz (optional)
Frequency Tolerance	± %10
Power Factor	> 0,98

**Output**

Rated Power	80 kW
Voltage Range (Vdc)	150-1000 V
Voltage Ripple	≤ ±5 V
Efficiency	≥ %95 (at nominal output power)

**Environmental Features**

Operating Temperature	-35 ~ +75 °C *
Storage Temperature	-40 ~ +75 °C
Relative Humidity	%5-95 (non-condensing)
Cooling	Forced Air Cooling
Protection Degree	IP54 - IK10
Operational Noise Level	65dBA

**General Features**

Protections	Short Circuit, Over Current, Over Temperature, Emergency Stop Over/Under Output Voltage, DC Ground Leakage
Isolation	3000 V
Charge Port	2 x CCS2
Communication Protocol	OCPP 1,6J

**User Interaction**

Display	10" LCD Panel with Capacitive Touch Screen
Payment Methods	Mobile Payment, RFID Card, Contactless Payment (optional), NFC (optional)

**Standards**

Communication	ISO15118, DIN70121
Safety and Compliance	IEC61851-21-2, IEC61851-23:2014
CCS2	IEC62196 1/3

**Mechanical Properties**

Weight	230 kg
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Dimensions (mm)

W: 693

D: 603

H: 1865

Colors



RAL 5009



RAL 7047



RAL 9005



## 120-200 kW Fast Charging System

### Fast Charge



With Plug and Charge technology, provides fast charging without any for intervention.

### DC Power Sharing



Provides simultaneous charging with 2 x CCS2 sockets.

### Contactless Payment



Provides an easy and contactless payment experience on credit/debit card, RFID card, mobile payment or NFC with OCPP support. (optional)



MODEL	AS EVC 3120	AS EVC 3160	AS EVC 3200
<b>Input</b>			
Voltage	3x400 Vac		
Voltage Tolerance	- %20 ~ + %20		
Frequency	50Hz, 60Hz (optional)		
Frequency Tolerance	± %10		
Power Factor	> 0,98		
<b>Output</b>			
Rated Power	120 kW	160 kW	200 kW
Voltage Range (Vdc)	150-1000 V		
Voltage Ripple	≤ ±5 V		
Efficiency	≥ %95 (at nominal output power)		
<b>Environmental Features</b>			
Operating Temperature	-35 ~ +75 °C *		
Storage Temperature	-40 ~ +75 °C		
Relative Humidity	%5-95 (non-condensing)		
Cooling	Forced Air Cooling		
Protection Degree	IP54 - IK10		
Operational Noise Level	65dBA		
<b>General Features</b>			
Protections	Short Circuit, Over Current, Over Temperature, Emergency Stop Over/Under Output Voltage, DC Ground Leakage		
Isolation	3000 V		
Charge Port	2 x CCS2		
Communication Protocol	OCPP 1,6J		
<b>User Interaction</b>			
Display	10" LCD Panel with Capacitive Touch Screen		
Payment Methods	Mobile Payment, RFID Card, Contactless Payment (optional), NFC (optional)		
<b>Standards</b>			
Communication	ISO15118, DIN70121		
Safety and Compliance	IEC61851-21-2, IEC61851-23:2014		
CCS2	IEC62196 1/3		
<b>Mechanical Properties</b>			
Weight	330 kg	365 kg	400 kg



Dimensions (mm)

Colors

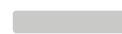
W: 800

RAL 5009



D: 800

RAL 7047



H: 1900

RAL 9005





## 240-360 kW Fast Charging System

### Fast Charge



With Plug and Charge technology, provides fast charging without any for intervention.

### DC Power Sharing



Provides simultaneous charging with 2 x CCS2 sockets.

### Contactless Payment



Provides an easy and contactless payment experience on credit/debit card, RFID card, mobile payment or NFC with OCPP support. (optional)



MODEL	AS EVC 3240	AS EVC 3280	AS EVC 3320	AS EVC 3360
<b>Input</b>				
Voltage		3x400 Vac		
Voltage Tolerance		- %20 ~ + %20		
Frequency		50Hz, 60Hz (optional)		
Frequency Tolerance		± %10		
Power Factor		> 0,98		
<b>Output</b>				
Rated Power	240 kW	280 kW	320 kW	360 kW
Voltage Range (Vdc)		150-1000 V		
Voltage Ripple		≤ ±5 V		
Efficiency		≥ %95 (at nominal output power)		
<b>Environmental Features</b>				
Operating Temperature		-35 ~ +75 °C *		
Storage Temperature		-40 ~ +75 °C		
Relative Humidity		%5-95 (non-condensing)		
Cooling		Forced Air Cooling		
Protection Degree		IP54 - IK10		
Operational Noise Level		65dBA		
<b>General Features</b>				
Protections	Short Circuit, Over Current, Over Temperature, Emergency Stop Over/Under Output Voltage, DC Ground Leakage			
Isolation	3000 V			
Charge Port	2 x CCS2			
Communication Protocol	OCPP 1,6J			
<b>User Interaction</b>				
Display	10" LCD Panel with Capacitive Touch Screen			
Payment Methods	Mobile Payment, RFID Card, Contactless Payment (optional), NFC (optional)			
<b>Standards</b>				
Communication	ISO15118, DIN70121			
Safety and Compliance	IEC61851-21-2, IEC61851-23:2014			
CCS2	IEC62196 1/3			
<b>Mechanical Properties</b>				
Weight	490 kg	525 kg	560 kg	595 kg



Dimensions (mm)

Colors

W: 800

RAL 5009



D: 1000

RAL 7047



H: 2300

RAL 9005





## 480 kW Fast Charging System

### Fast Charge



With Plug and Charge technology, it provides fast charging without any for intervention.

### Multiple Charge Ports



Two or more charging ports. It offers high-speed charging with both CCS2 and pantograph on the same system.  
(Optional)

### Contactless Payment



Provides an easy and contactless payment experience on credit/debit card, RFID card, mobile payment or NFC with OCPP support. (optional)



**MODEL****AS EVC 3480****Input**

Voltage	3x400 Vac
Voltage Tolerance	- %20 ~ + %20
Frequency	50Hz, 60Hz (optional)
Frequency Tolerance	± %10
Power Factor	> 0,98

**Output**

Rated Power	480 kW
Voltage Range (Vdc)	150-1000 V
Voltage Ripple	≤ ±5 V
Efficiency	≥ %95 (at nominal output power)

**Environmental Features**

Operating Temperature	-35 ~ +75 °C *
Storage Temperature	-40 ~ +75 °C
Relative Humidity	%5-95 (non-condensing)
Cooling	Forced Air Cooling
Protection Degree	IP54 - IK10
Operational Noise Level	65dBA

**General Features**

Protections	Short Circuit, Over Current, Over Temperature, Emergency Stop Over/Under Output Voltage, DC Ground Leakage
Isolation	3000 V
Charge Port	CCS2, Pantograf
Communication Protocol	OCPP 1,6J

**User Interaction**

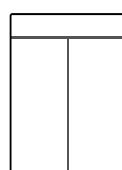
Display	10" LCD Panel with Capacitive Touch Screen
Payment Methods	Mobile Payment, RFID Card, Contactless Payment (optional), NFC (optional)

**Standards**

Communication	ISO15118, DIN70121
Safety and Compliance	IEC61851-21-2, IEC61851-23:2014
CCS2	IEC62196 1/3

**Mechanical Properties**

Weight	1280 kg (Power Unit) ** 80 kg (Stand Charge Unit) **
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Dimensions (mm)  
W: 1900  
D: 886  
H: 2370



Dimensions (mm)  
W: 560  
D: 420  
H: 1800

Power Unit

Stand Charge Unit

Colors  
RAL 5009  
RAL 7047  
RAL 9005

**Layout**

480 kW  
Power Unit + 4x Stand Charge Unit

\*\* Specifications are given for a single unit.

\* Derating is applied at high temperatures.

Specifications are subject to change without notice. Images are given as an example and may differ depending on the model.



## 600 kW Fast Charging System

Fast Charge



If there is single vehicle on the charger charging at 200 kW power; when two vehicles are on the charger, provides 2 x 100 kW simultaneous charging.

Multiple Charge Ports



Two or more charging ports. It offers high-speed charging with both CCS2 and pantograph on the same system. (Optional)

Contactless Payment



Provides an easy and contactless payment experience on credit/debit card, RFID card, mobile payment or NFC with OCPP support. (optional)



**MODEL****AS EVC 3600****Input**

Voltage	3x400 Vac
Voltage Tolerance	- %20 ~ + %20
Frequency	50Hz, 60Hz (optional)
Frequency Tolerance	± %10
Power Factor	> 0,98

**Output**

Rated Power	600 kW
Voltage Range (Vdc)	150-1000 V
Voltage Ripple	≤ ±5 V
Efficiency	≥ %95 (at nominal output power)

**Environmental Features**

Operating Temperature	-35 ~ +75 °C *
Storage Temperature	-40 ~ +75 °C
Relative Humidity	%5-95 (non-condensing)
Cooling	Forced Air Cooling
Protection Degree	IP54 - IK10
Operational Noise Level	65dBA

**General Features**

Protections	Short Circuit, Over Current, Over Temperature, Emergency Stop Over/Under Output Voltage, DC Ground Leakage
Isolation	3000 V
Charge Port	CCS2, Pantograf
Communication Protocol	OCPP 1,6J

**User Interaction**

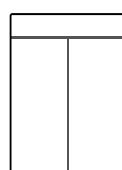
Display	10" LCD Panel with Capacitive Touch Screen
Payment Methods	Mobile Payment, RFID Card, Contactless Payment (optional), NFC (optional)

**Standards**

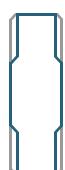
Communication	ISO15118, DIN70121
Safety and Compliance	IEC61851-21-2, IEC61851-23:2014
CCS2	IEC62196 1/3

**Mechanical Properties**

Weight	740 kg (Power Unit) ** 80 kg (Stand Charge Unit) **
--------	--



Dimensions (mm)  
W: 1900  
D: 886  
H: 2370



Dimensions (mm)  
W: 560  
D: 420  
H: 1800

Power Unit

Stand Charge Unit

Colors  
RAL 5009  
RAL 7047  
RAL 9005

**Layout**

2x 300 kW Power Unit + 3x Stand Charge Unit

\*\* Specifications are given for a single unit.

\* Derating is applied at high temperatures.

Specifications are subject to change without notice. Images are given as an example and may differ depending on the model.



## 800 kW Fast Charging System

Fast Charge



If there is single vehicle on the charger charging at 200 kW power; when two vehicles are on the charger, provides 2 x 100 kW simultaneous charging.

Multiple Charge Ports



Two or more charging ports. It offers high-speed charging with both CCS2 and pantograph on the same system. (Optional)

Contactless Payment



Provides an easy and contactless payment experience on credit/debit card, RFID card, mobile payment or NFC with OCPP support. (optional)



**MODEL****AS EVC 3800****Input**

Voltage	3x400 Vac
Voltage Tolerance	- %20 ~ + %20
Frequency	50Hz, 60Hz (optional)
Frequency Tolerance	± %10
Power Factor	> 0,98

**Output**

Rated Power	800 kW
Voltage Range (Vdc)	150-1000 V
Voltage Ripple	≤ ±5 V
Efficiency	≥ %95 (at nominal output power)

**Environmental Features**

Operating Temperature	-35 ~ +75 °C *
Storage Temperature	-40 ~ +75 °C
Relative Humidity	%5-95 (non-condensing)
Cooling	Forced Air Cooling
Protection Degree	IP54 - IK10
Operational Noise Level	65dBA

**General Features**

Protections	Short Circuit, Over Current, Over Temperature, Emergency Stop Over/Under Output Voltage, DC Ground Leakage
Isolation	3000 V
Charge Port	CCS2, Pantograf
Communication Protocol	OCPP 1,6J

**User Interaction**

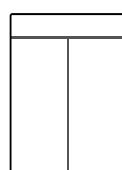
Display	10" LCD Panel with Capacitive Touch Screen
Payment Methods	Mobile Payment, RFID Card, Contactless Payment (optional), NFC (optional)

**Standards**

Communication	ISO15118, DIN70121
Safety and Compliance	IEC61851-21-2, IEC61851-23:2014
CCS2	IEC62196 1/3

**Mechanical Properties**

Weight	860 kg (Power Unit) ** 80 kg (Stand Charge Unit) **
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Dimensions (mm)  
W: 1900  
D: 886  
H: 2370



Dimensions (mm)  
W: 560  
D: 420  
H: 1800

Power Unit

Colors  
RAL 5009  
RAL 7047  
RAL 9005

Colors  
RAL 5009  
RAL 7047  
RAL 9005

Stand Charge Unit

**Layout**

2x 400 kW Power Unit + 4x Stand Charge Unit

\*\* Specifications are given for a single unit.

\* Derating is applied at high temperatures.

Specifications are subject to change without notice. Images are given as an example and may differ depending on the model.



## Mobile Fast Charging System

User  
Friendly



High Speed  
Charging



With Plug and Charge technology  
without the need for intervention  
It offers high-speed charging.



Model	AS EVC 1035M	AS EVC 1050M	AS EVC 1100M	AS EVC 1150M
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Origin	Turkey			
Charging Power	35kW	50kW	100kW	150kW
Battery Capacity	70kWh	70kWh	140kWh	210kWh
Charging Socket	1x200A CCS2	1x200A CCS2	1x200A CCS2	1x400A CCS2

Input Voltage	380Vac 50Hz			
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**Out**

Output Voltage	200Vdc-800Vdc			
Output Current	200A	200A	200A	400A

**User Interaction**

User Interface	10 " LCD Panel And Capacitive Touch Screen			
Communication Interface	Wifi / 4G			
Communication Protocol	OCPP 1.6J (OCPP 2.0.1 Compatible)			
Charging Start / Stop	Manuel / RFID (Pos) / Mobile (Operator Software) / Backend (Operator Software)			
Payment / Collection	Manuel (Pos) / Mobile (Operator Software) / Backend (Operator Software)			

**General Features**

Compatible with Operators and Mobile Devices. (Backend can be included)

**Mechanical Features**

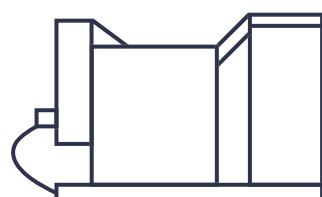
900 Kg	950 Kg	1450 Kg	2000 Kg
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**Optional**

AC Outlet Socket 2kW
DC Ability to Charge Internal Batteries with Fast Charger
Built-in NFC Pos Device

**Other**

\*\* Vehicle Not Included in Charging System



## Dimensions (mm)\*

W: 965  
L : 2150  
H:1280

Colors

RAL 9005  
RAL 7035  
RAL 9005



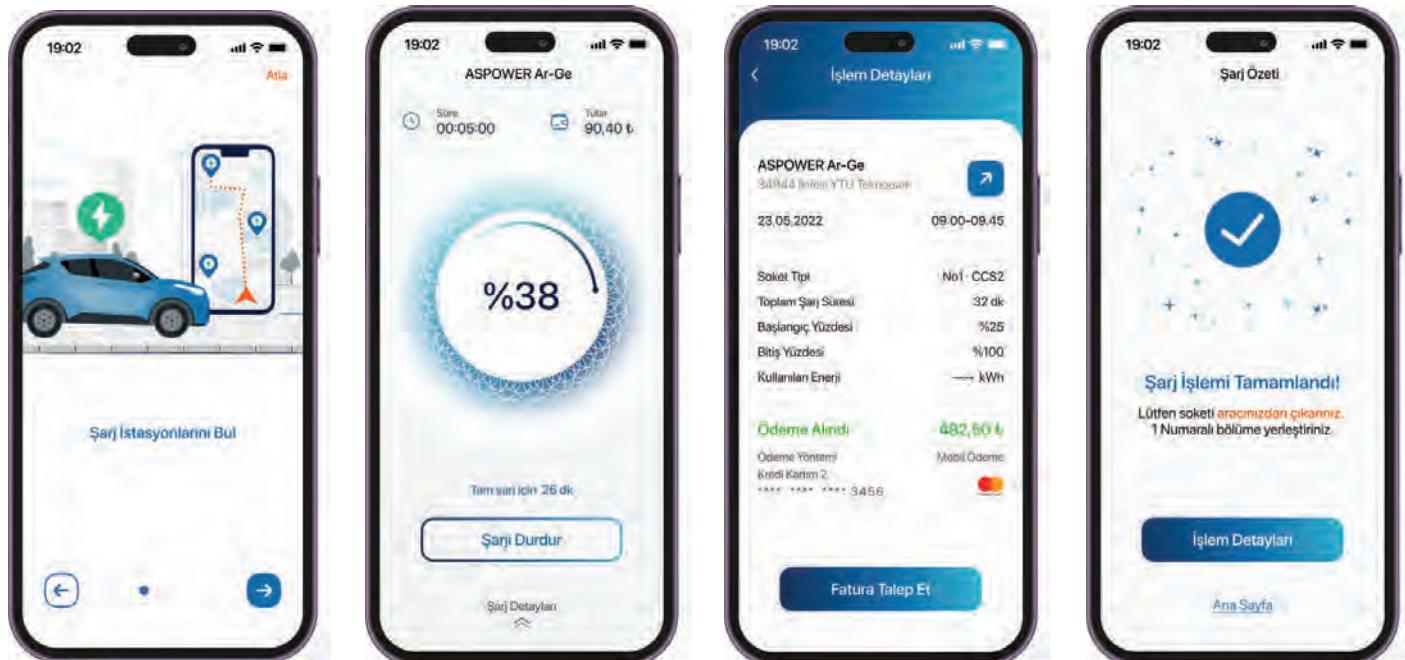
\*The size stated above belong to the 35kW-50kW system. Get information for 100kW and 150kW.

\*\*Note: Specifications may change without notice. Images are provided as examples and may differ depending on the model.



## Mobile Applications and Charging Network Management

- ❖ Reservation opportunity
- ❖ View all charging points
- ❖ Status information
- ❖ Viewing past charge statuses
- ❖ Payment details
- ❖ Possibility to start/end charging via mobile application



The screenshot shows a software interface for managing a charging network. On the left, a sidebar menu lists various administrative functions: Versions 1.2.46, Admin, Charging Stations (selected), Sessions, Cars, Users, RFID Cards, Assets, Organization, Statistics, Integration Settings, Technical Settings, and Logs. The main area is titled "CHARGING STATIONS" and displays a table of 15 entries. The columns include: Action(s), Name, Site, Site Area, Status (all show "Connected"), Connectors (various combinations of 1, 2, or 3), Instant Power (mostly 0 / 120,1 kW), Public (Yes), Vendor (Aspower), Model (Aspower), and Firmware Version (1.1.133). There are also buttons for Export, Smart Filter, Auto Refresh, and a search bar.

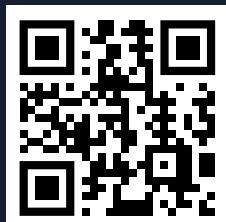
- ❖ Management Infrastructure after Installation and Connection of Electric Vehicle Charging Stations
- ❖ Possibility to view and manage usages of your Charging Stations.
- ❖ Ability to remotely turn on/off the Charging Stations.
- ❖ OCPP 1.6 compatible
- ❖ Ability to schedule and pricing.
- ❖ Ability to monitor realized payments from your Company Account
- ❖ It is compatible with all Currencies.
- ❖ Receipts and Invoices are generated automatically.
- ❖ Different Payment Tools: Iyzico, Stripe, Credit Cards, Gift Cards.
- ❖ Analysis and Reporting\* Ability to set your tariffs according to kW/h or minutes



## WEBSITE

Link:  
[www.aspower.com.tr](http://www.aspower.com.tr)

Scan the code to visit our website directly.



## CONTACT

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Fax: +(90) 850 255 1630

### E-mail

[info@aspower.com.tr](mailto:info@aspower.com.tr)

## ADRESS

### Head Office

Oruçreis Mah. Tekstilkent Cad.  
Koza Plaza B Blok No:76-77  
Esenler / İstanbul

### R&D Office

Yıldız Teknik Üniversitesi İkitelli  
Teknopark Kampüsü İç Kapı  
No: Z18 Başakşehir / İstanbul

### Factory

İkitelli OSB Dersan B Blok (Trios) Sok.  
No:1 Kat:3 İç Kapı:137-154 34490  
Başakşehir / İstanbul