ASPOWER
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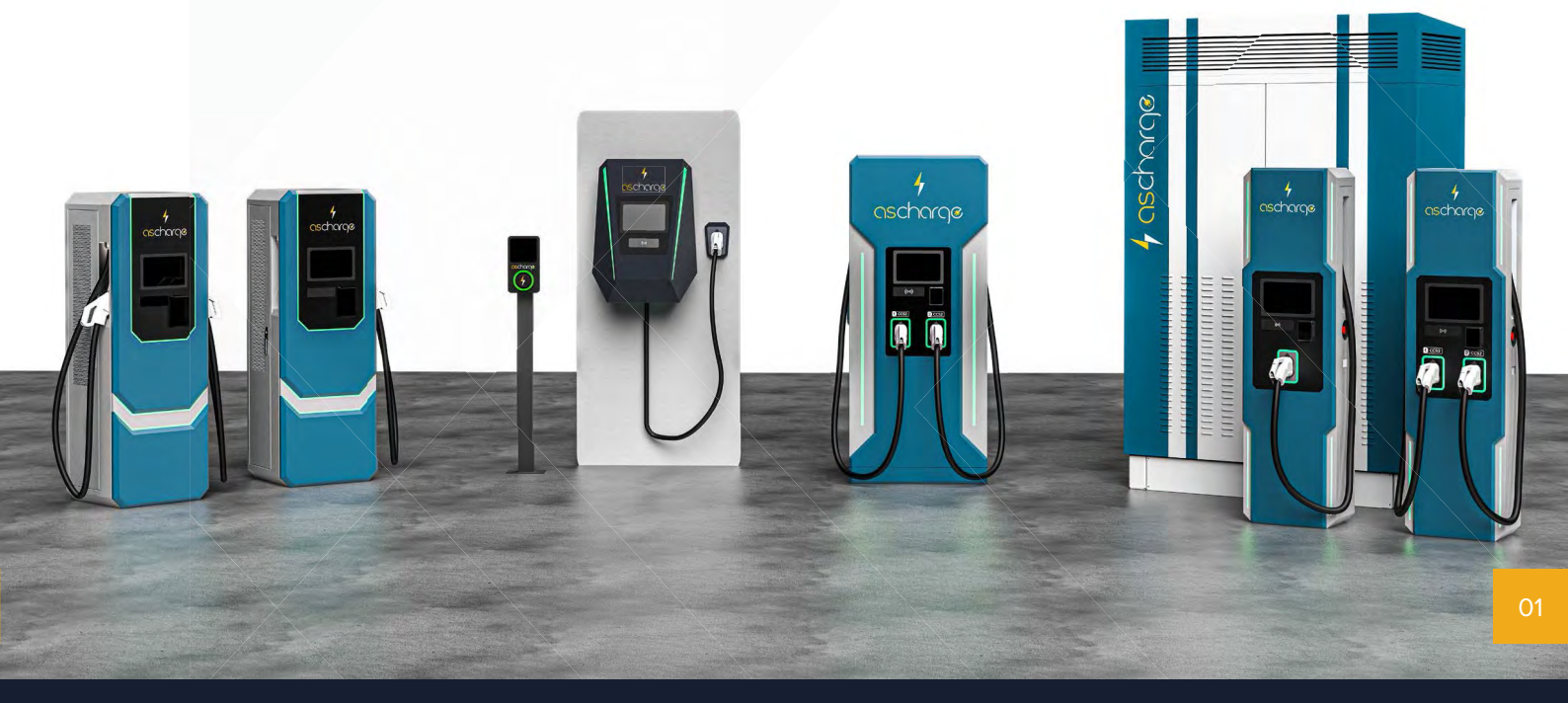
ascharge

Electric Vehicle Charging Systems

2024 Product Catalog

Contents



About Us

“ In the renewable energy, defense, transportation and aerospace sectors;
We are a technologydevelopment 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

ascharge

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 Authory)

2 x 50 kW Fast Charging Sytems

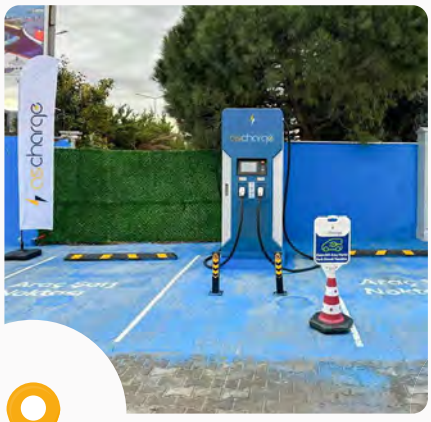
Off-Grid electric vehicle fast charging system compatible with solar panel and energy storage systems.

Ankara

29 Different Cities
+200 Located

Especially for licensed companies that won tenders under the Ministry of Industry Grant Support Program We will continue to provide energy at many points in Türkiye with the 120 kW Fast Charging Units we supply.

İstanbul



Çanakkale

İzmir

Antalya

Samsun Büyükşehir Belediyesi

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 Büyükşehir Belediyesi. In addition to the pantograph, the systems also have the possibility of charging with the CCS2 charging port.

Samsun

20-40 kW
Fast Charging System

Fast Charge

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

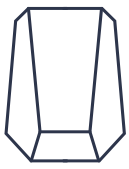
Power Increase

Modular structure that can be increased up to 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
Input		
Voltage	3x400 Vac	
Voltage Tolerance	- %20 ~ + %20	
Frequency	50Hz, 60Hz (optional)	
Frequency Tolerance	± %10	
Power Factor	> 0,98	
Output		
Rated Power	20 kW	40 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	
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	40 kg	60 kg



Dimensions (mm)

W: 860
D: 365
H: 950

Colors

RAL 5004
RAL 7040
RAL 9005

*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.

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
Input			
Voltage	3x400 Vac		
Voltage Tolerance	- %20 ~ + %20		
Frequency	50Hz, 60Hz (optional)		
Frequency Tolerance	± %10		
Power Factor	> 0,98		
Output			
Rated Power	60 kW	80 kW	100 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		
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	190 kg	220 kg	250 kg

Dimensions (mm)

W: 693
D: 603
H: 1865

Colors

RAL 5009
RAL 7047
RAL 9005

*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.

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

Dimensions (mm)

W: 693
D: 603
H: 1865

Colors

RAL 5009
RAL 7047
RAL 9005

*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.

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
Input			
Voltage	3x400 Vac		
Voltage Tolerance	- %20 ~ + %20		
Frequency	50Hz, 60Hz (optional)		
Frequency Tolerance	± %10		
Power Factor	> 0,98		
Output			
Rated Power	120 kW	160 kW	200 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	330 kg	365 kg	400 kg

Dimensions (mm)

W: 800
D: 800
H: 1900

Colors

RAL 5009
RAL 7047
RAL 9005

*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.

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
Input				
Voltage	3x400 Vac			
Voltage Tolerance	- %20 ~ + %20			
Frequency	50Hz, 60Hz (optional)			
Frequency Tolerance	± %10			
Power Factor	> 0,98			
Output				
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)			
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	490 kg	525 kg	560 kg	595 kg

Dimensions (mm)

W: 800
D: 1000
H: 2300

Colors

RAL 5009
RAL 7047
RAL 9005

*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.

480 kW Fast Charging System

Fast Charge

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

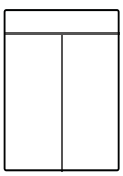
Multiple Charge Ports

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) **



Dimensions (mm)

W: 1900
D: 886
H: 2370

Power Unit

Dimensions (mm)

W: 560
D: 420
H: 1800

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.

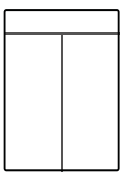
Multiple Charge Ports

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

Power Unit

Dimensions (mm)

W: 560
D: 420
H: 1800

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.

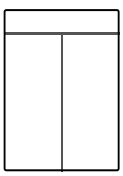
Multiple Charge Ports

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) **



Dimensions (mm)

W: 1900
D: 886
H: 2370

Power Unit

Dimensions (mm)

W: 560
D: 420
H: 1800

Stand Charge Unit

Colors

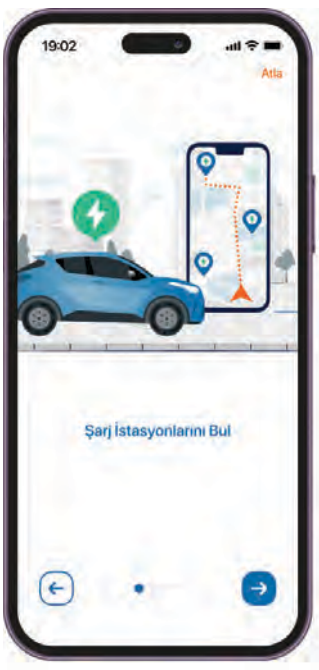
RAL 5009
RAL 7047
RAL 9005

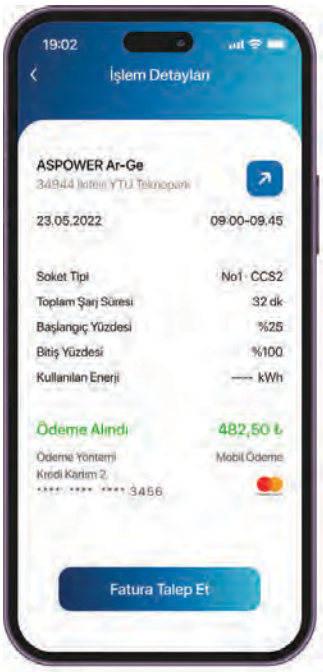
Layout

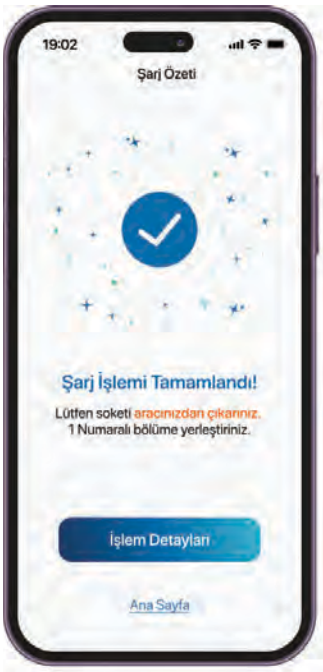
2x 400 kW Power Unit + 4x Stand Charge Unit

** 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.

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







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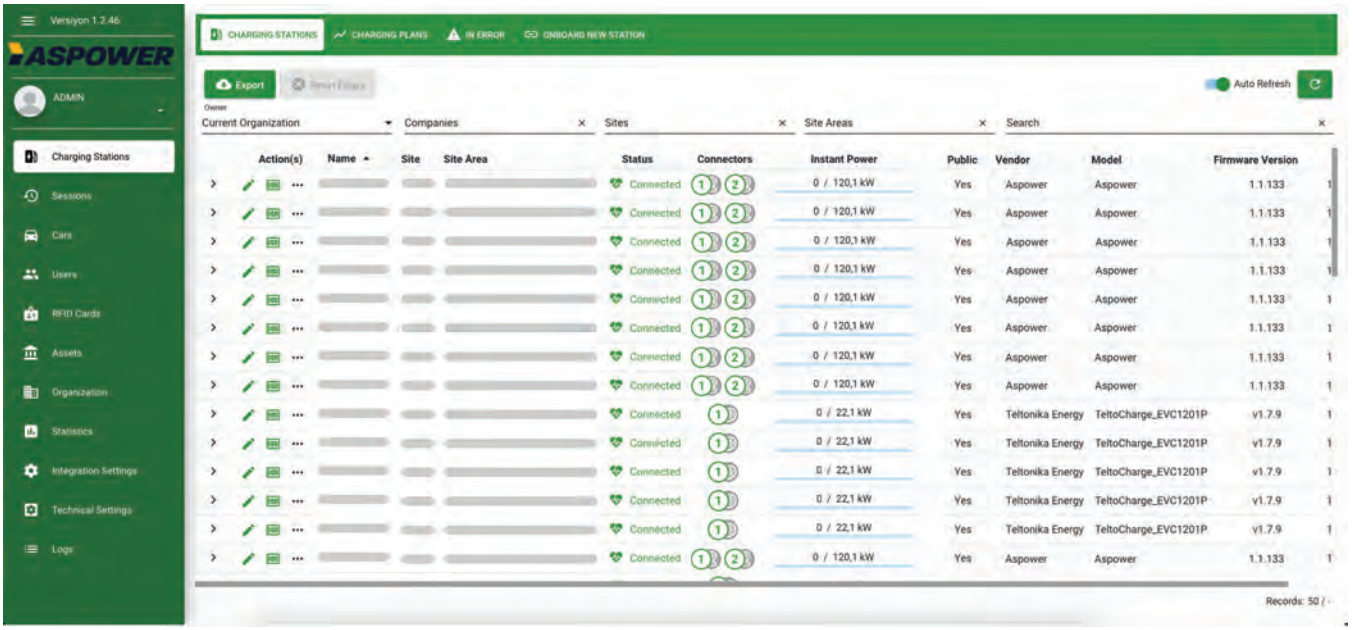

- Management Infrastructure after Installation and Connection of Electric Vehicle Charging Stations
- Possibility to view and manage usages of your Charging Stations.
- Ability to remotely turn on/off the Charging Stations.
- OCPP 1.6 compatible
- Ability to schedule and pricing.
- Ability to monitor 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

ASPOWER
nonstop life

WEBSITE

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Teknopark Kampüsü İç Kapı
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