

alfaCharge

EV Charging Solutions



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About alfanar

alfanar is a Saudi company with an international presence, primarily engaged in the manufacturing and trading of a wide variety of low, medium and high voltage electrical construction products, in addition to its portfolio of conventional and renewable energy solutions, oil and gas, water treatment, infrastructure, technical services, digital solutions and electronics engineering.

The hub of alfanar's manufacturing operations is alfanar Industrial City, a 700,000 square-meter complex located in Riyadh. The complex houses an array of ultra-modern manufacturing facilities and laboratories equipped with state-of-the-art technologies and staffed with highly skilled professionals.

These facilities produce low, medium, and high-voltage electrical products under the following categories:

- Electrical switches and sockets
- Lighting
- Distribution boards
- Metal boxes and enclosures
- Circuit breakers
- Cables and wires
- Low voltage systems and solutions
- Medium voltage systems and solutions
- Transformers and package substations
- Distribution and Substation Automation
- Renewable energy
- EV charging solutions

alfanar operates its activities from several locations around the world, included alfanar Industrial City (Saudi Arabia), Contactum (UK), ZIV (Spain), SFA electric (Turkey), Kopp (Germany), EA Srl. (Italy), alfanar Electrical Systems (UAE) and alfanar Engineering Services (India).

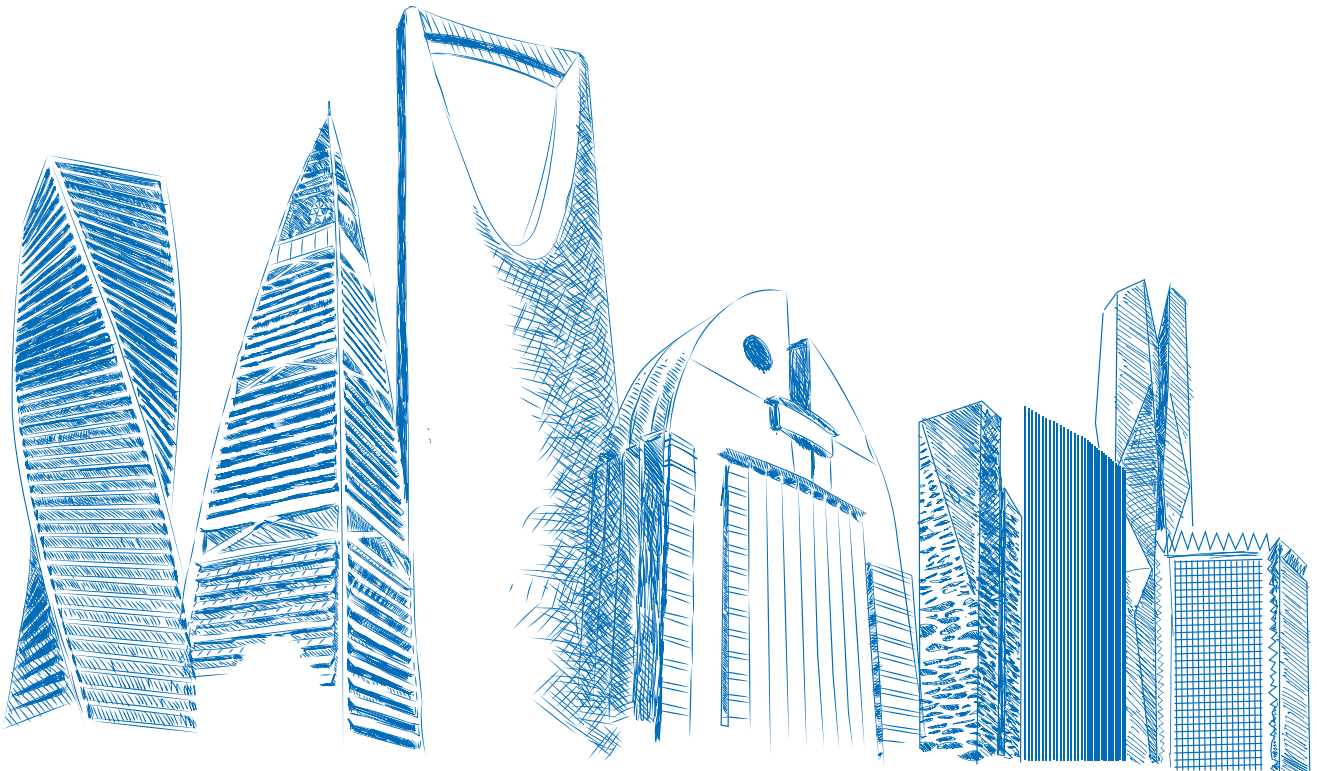
With a vision of meeting the growing demand for advanced energy solutions across the globe, alfanar understands the necessity of creating a sustainable future that positively impacts the lives of millions and makes the world a better place for generations to come.

alfaCharge

We are proud to introduce alfaCharge EV charging solutions for e-mobility. With the full range of AC & DC chargers up to 480kW per charging station, we offer turnkey EV charging solutions for infrastructures starting from 3kW up to 2MW. Our solutions have a smart, rugged and reliable range of products for improving the performance of EVs. With our smart remote monitoring solution operational data can be transferred to the cloud directly, making the user experience seamless.

alfanar is proud to have the best after-sales and customer care services which give peace of mind to operators and users. We have a dedicated engineering team for EV System design and installation to meet every customer requirement. Our dedicated testing and after-sales service network is available 24/7, located in cities throughout KSA.

alfanar provides its customers end to end E-mobility solutions. We provide not only EV chargers but a complete scope of power products, installation, and testing & commissioning.



alfanar E-Mobility Solutions





Home

Looking for a reliable and safe EV charging solution for your home or building? Look no further! alfaCharge AC Smart is equipped with a built-in RCD 6mA that ensures the utmost safety for you and your family. Plus, with our user-friendly app, scheduling your charging times is a breeze! Our smart technology features remote monitoring and energy management, ensuring that you are making the most of your charging system. Whether you are a building owner or a homeowner, the alfaCharge AC Smart is the perfect choice for your EV charging needs.

alfanar solution

For single homes and multi homes choose from the ranges below:

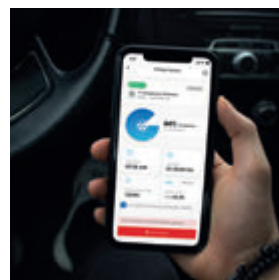
- alfaCharge AC Smart wall mounted or pedestal mounted adjustable from 3.7kW to 22kW
- alfaCharge DC wall mounted up to 40kW
- alfaCharge app for monitoring, control and balancing the power between the charger and the home load



alfaCharge
AC Smart



alfaCharge
AC Smart with Pedestal



Smart System



Earth Leakage Protection



Workplace

alfaCharge AC & DC wall mounted offers practical and customizable charging solutions for businesses of all sizes, with the ability to charge during work hours. Whether it is for indoor or outdoor parking facilities, our wall mounted chargers save space. Our extensive range of charging solutions with a management system app or website provides a practical reliable solution for your organization, its guests and visitors.

At alfanar we believe in supporting and promoting sustainability for a cleaner and healthier environment.

alfanar solution

Companies can choose from the following options:

- alfaCharge AC Smart wall mounted or pedestal mounted adjustable from 3.7kW to 22kW
- alfaCharge DC wall mounted or floor standing up to 320kW for fast charging of company cars and VIP location charging
- alfaCharge software for monitoring, control and balancing the power between the chargers and the building



**alfaCharge
AC Smart**



**alfaCharge
DC Wall Mounted**



**alfaCharge
DC Fast Charger**



**alfaCharge
Platform**



Destination

Would you like to charge your electric vehicle while visiting commercial or public locations such as malls, restaurants, and hospitals, then alfaCharge AC Smart is the ideal solution for you. This charging station allows you to conveniently charge your car for 1-3 hours while you run errands. With its smart features, alfaCharge AC Smart ensures you can safely leave your car to charge and top up the battery for your next ride.

alfanar solution

For banks, hospitals, shopping center or malls, choose from the following options:

- alfaCharge AC Smart wall mounted or pedestal mounted adjustable from 3.7kW to 22kW
- alfaCharge DC wall mounted or floor standing up to 320kW for fast charging of company cars and VIP location charging
- alfaCharge software for monitoring, control and balancing the power between the charger and the building



alfaCharge
AC Smart



alfaCharge
DC Wall Mounted



alfaCharge
DC Fast Charger



alfaCharge
Platform



Transit

Say goodbye to long waiting times at highway or city charging stations with alfaCharge superfast charging. In just 15 to 30 minutes you can fully recharge your electric vehicle battery, giving you the power to continue your journey. Our back-end system allows for seamless payments through a variety of methods, including online or offline payments using your credit card or digital wallet (Mada Pay, Apple Pay, Google Pay, etc.) directly from the app or charger.

alfanar solution

For highway and city charging stations choose from the following options:

- alfaCharge AC Smart wall mounted or pedestal mounted adjustable from 3.7kW to 22kW
- alfaCharge DC wall mounted or floor standing up to 320kW for super-fast charging of highway stations
- alfaCharge software for monitoring, control and balancing the power between the charger and the station



alfaCharge
AC Smart with Pedestal



alfaCharge
DC Fast Charger



alfaCharge
Platform



Fleet

With 24/7 service and no time to waste, fleet management requires a fast and reliable charging solution. alfaCharge offers just that with our DC super-fast charging, fully recharging an electric vehicle within 10-30 minutes. Our system management website gives you control over your chargers, allowing you to monitor charging progress and schedule charging times around your fleet requirements. alfaCharge DC provides super-fast, experience efficient and seamless electric vehicle charging for your fleet.

alfanar solution

For fleet solutions, choose from the following options:

- alfaCharge AC Smart wall mounted or pedestal mounted adjustable from 3.7kW to 22kW
- alfaCharge DC wall mounted or floor standing up to 480kW for super-fast charging of 24h services
- alfaCharge software for monitoring, control and balancing the power



alfaCharge
DC Fast Charger



alfaCharge
AC Smart with Pedestal



alfaCharge
Platform

Customer Focused Services

650 employees across KSA. Service hub in 4 locations and sub hub near sites covering the entire Kingdom.

Data center with data analytics capability for performance enhancement and preventive analytics.



alfaCharge AC Smart







Features / alfaCharge AC Smart



المواصفات السعودية
Saudi Standards



User friendly

- Bluetooth connection
- Power adjustment through mobile application
- Home load balance function
- LCD display
- LED indicators



High efficiency

- Type2- connector with 5m straight /4M Spiral cable
- Inbuilt energy meter
- DC leakage detection 6mA
- BMS integration through Modbus protocol
- 1Φ & 3Φ versions
- Mode 3 charging according to IEC 61851



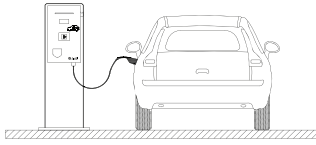
Best Choice

- Light weight less than 2.5kg
- Outdoor installation IP54
- Operable in harsh conditions



Connect to cloud

- RFID reader
- RS485 port
- LTE modem 4G
- Ethernet port
- OCPP 1.6J
- USB-C port



Electrical parameters

Charging mode	Mode 3 according to IEC 61851-1
Supply voltage (input)	"230V 1Ph+N+PE 400V 3Ph+N+PE "
Frequency	50/60Hz
Power output	"3.7kW to 7.4 kW (1ph) 11kW to 22 kW (3ph)"
Network connection	"1PH 3PH"
Connector type	Type 2 connector as per SASO / IEC Standard
Inbuilt protection	"DC leakage detector (6mA) relays for overcurrent protection"
Overvoltage category	Cat. III
Energy meter	Class B (A) 2 (R) EN 50470-3.
Standby consumption	< 1.5 W per phase
Supply terminals	Screw (double)
Cable feed	Bottom / Backside

User interface

Connectivity	LTE, Ethernet, Bluetooth, RS485
User authentication	RFID MIFARE card reader
User interface	"Mobile app LCD screen 22 x 70 mm
Status indication	"4 push buttons
Communication protocol	OCPP 1.6J (upgradable)
Connection ports	"Modbus RTU

Mechanical parameters

Protection degree	IP54, IK10
Insulation	Class I (earth terminal)
Enclosure material	Plastic
Mounting	Wall or ground mounted
Operation temperature	From -25°C to +55°C
Storage temperature	85°C
Product dimensions	332x229x86 mm
Package dimensions	410x280x230 mm
Weight	< 2.5 kg
Altitude	<2000m
Relative humidity	5-95%

Certificates

Standards	IEC 61851-1, IEC 61851-21-2, IEC 60068-2-30, IEC 60068-2-1
Warranty	2 years

Pedestal General Data

Number of chargers	Up to two chargers
Material	Galvanized steel
Ambient temperature range	-30°C~+60°C
Corosion resistance	C3 / C5
Degree of protection	IP55
Color	Standard- ANSI 61 / Optional - As per request
Pedestal dimension (mm)	1450*270*120
Weight (kg)	16.3kg
Base plate dimension (mm)	400*240*10
Canopy	Optional
Mounting	Floor mounted

Protection (Optional)

Overcurrent & short circuit	4 Pole MCB / 2 Pole MCB
Leakage current protection	30mA, 4 Pole Type-A, RCD / 30mA, 2 Pole Type-A, RCD
Over voltage protection (Category III)	Optional
Remote ON OFF control	Optional





Selection tool

Power	Number of Phases	Voltage	Ampere	Features	Part Number
3.7kW	1 Phase	230V	16A	RFID, 4G SIM, Bluetooth, Meter, LCD screen	ALFA37CSR
7.4kW	1 Phase	230V	32A	RFID, 4G SIM, Bluetooth, Meter, LCD screen	ALFA74CSR
11kW	3 Phase	400V	16A	RFID, 4G SIM, Bluetooth, Meter, LCD screen	ALFA11CSR
22kW	3 Phase	400V	32A	RFID, 4G SIM, Bluetooth, Meter, LCD screen	ALFA22CSR



Pedestal and Protection Selection Tool

Description	Part Number
Pedestal for one charger	ALFAPS1C5
Pedestal for two chargers	ALFAPS2C5
Pedestal for one chargers with protection (MCB + RCCB)	ALFAPS1C5D
Pedestal for two chargers with protection (MCB + RCCB)	ALFAPS2C5D
alfaCharge protection panel with 4P MCB + 4P RCCB	ALFAEVCPP
Canopy for pedestal with one charger	ALFAEVCY1
Canopy for pedestal with two chargers	ALFAEVCY2
Cover customization of charger	ALFAEVCBC1
Cover customization of pedestal	ALFAEVCBP1



alfaCharge DC Wall Mounted



Features / alfaCharge DC wall mounted



High efficiency

- RFID reader
- RS485 port
- LTE modem 4G
- Ethernet port
- OCPP 1.6J
- USB-C port



User friendly

- Compatible with next generation e-cars (VDC: 150 - 920 V)
- High resolution touchscreen display for intuitive user guidance
- Direct payment terminals with NFC
- Emergency button



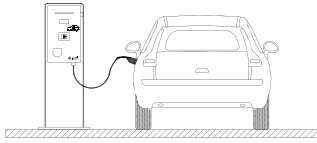
Connect to cloud

- RFID reader
- LTE modem 4G
- Ethernet port
- OCPP 2.0.1



Best Choice

- Fast and easy installation
- Outdoor installation IP54
- Operable in harsh conditions
- Compact, slim, and lightweight DC Wall Mounted for more powerful applications with an external AC/DC power supply
- Several "DC Wall Mounted" can be combined with one or more "DC PowerUnits" offering more versatile applications



Electrical parameters	alfaCharge DC 20kW	DC 40kW	DC Plus
Charging type	Bidirectional (V2G)	-	-
Supply voltage (input)	400V 3Ph+N+PE, 50/60Hz	400V 3Ph+N+PE, 50/60Hz	External PU 400V 3Ph+N+PE, 50/60Hz
Supply current (input)	38A	76A	76A/40kW unit [max. 70 meters]
Power output	20kW	40kW	40kW
Connector type	1x CCS Combo-2	1x CCS Combo-2	Up to 4x CCS Cobmo-2
Charging mode	Mode 4		
Charging voltage	DC [150-920V]		
Max charging current	Max 450A		
Supply terminals	5 Poles [3Ph+N+PE]		
User interface			
Connectivity	3G/4G/Ethernet/OCPP 2.0.1 (Open Charge Point Protocol)		
User authentication	RFID, Mobile App [OCPP]		
User interface	High resolution HD-Touchscreen, online access		
Mechanical parameters			
Mounting	Wall mounteded/Floor mounted	Wall mounteded/Floor mounted	Charger wall mounted or floor mounted/PU floor mounted
Weight	approx. 60 KGs	approx. 80 KGs	approx. 15 KG + 300 KG (PowerUnit)
Cable length	3.5 meters		
Protection degree	(IP54/IK10)		
Product dimensions	H/W/D: 700 / 406 / 145 mm (housing); add. depth per Power Module: 96 mm		
Package dimensions	H/W/D: 1000 / 600 / 400 mm		
Operation temperature	From -35°C to +55°C		
Certificates			
Standards	IEC 61851-1, IEC 61851-23, IEC 61851-24, IEC 61851-21-2		
Warranty	2 years		



Selection tool

Power	Cable Connector 3.5M	Reference
20kW	CCS2	ALFA20C4WB
40kW	CCS2	ALFA40C4WB
40kW Plus	CCS2	ALFA40C4WBP
Payment gateway		ALFA24PG

alfaCharge DC Fast Charger



Features / alfaCharge DC Fast Charger



High efficiency

- CCS2 or CHAdeMO connectors
- 3.5m or 4.8m Cable / Customized upon request
- Mode 4 charging according to IEC 61851
- Inbuilt energy meter
- Modular design up to 320kW
- Upgradeable power rating



User friendly



- Compatible with next generation e-cars (VDC: 150 - 920 V)
- 15.6 inch display for intuitive user guidance
- Advertising can be displayed
- Direct payment terminals with NFC
- Emergency button
- Simultaneous charging



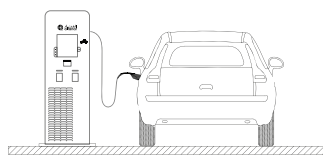
Connect to cloud

- RFID reader
- LTE modem 4G
- Ethernet port
- OCPP 1.6J

Best choice



- Fast and easy installation
- Standalone unit design
- Outdoor installation IP54
- Operable in harsh conditions
- Cable management system



Electrical parameters

Power output	20 to 240 kW	40 to 240kW	40 to 320kW	80 to 320kW
Connector type	1x CCS Combo-2	2x CCS Combo-2	1x CCS Combo-2	2x CCS Combo-2
Simultaneous charging	N/A	Yes	N/A	Yes
Integrated AC/DC power modules	1 - 12 x 20kW	2 - 12 x 20kW	1 - 8 x 40kW	2 - 8 x 40kW
Charging points/cables	1	2	1	2
Charging mode	Mode 4			
Supply voltage (input)	400V 3Ph+N+PE 50/60Hz (+/-10%)			
Power output configuration	Modular, upgradeable			
Charging voltage	DC [150-920V]			
Max charging current	Max 450A			
Supply terminals	5 Poles [3Ph+N+PE]			

User interface

Connectivity	3G/4G/Ethernet/OCPP V1.6 (Open Charge Point Protocol)
User authentication	RFID, Mobile App [OCPP]
User interface	Via 15.6 inch display, via online access

Mechanical parameters

Cable length	Fixed (3.5 meters) or Cable Pull (4.8 meters), Customized upon request
Protection degree	(IP54/IK10)
Enclosure material	Stainless steel
Mounting	Ground mounted
Product dimensions	H/W/D: 1.980 / 680 / 735 mm
Operation temperature	From -25°C to +45°C
Weight	Approx. 400 KGs

Certificates

Standards	IEC 61851-1, IEC 61851-23, IEC 61851-24, IEC 61851-21-2
Warranty	2 years

Selection tool				
Power	Cable Connector	3.5m cable	Cable Connector	5m cable
60 kW	CCS2	ALFA60C3	CCS2	ALFA60C5
	CHAdEMO	ALFA60H3	CHAdEMO	ALFA60H5
	CCS2 + CCS2	ALFA60CC3	CCS2 + CCS2	ALFA60CC5
	CCS2 + ChAdEMO	ALFA60CH3	CCS2 + ChAdEMO	ALFA60CH5
120 kW	CCS2	ALFA12C3	CCS2	ALFA12C5
	CHAdEMO	ALFA12H3	CHAdEMO	ALFA12H5
	CCS2 + CCS2	ALFA12CC3	CCS2 + CCS2	ALFA12CC5
	CCS2 + ChAdEMO	ALFA12CH3	CCS2 + ChAdEMO	ALFA12CH5
160 kW	CCS2	ALFA16C3	CCS2	ALFA16C5
	CHAdEMO	ALFA16H3	CHAdEMO	ALFA16H5
	CCS2 + CCS2	ALFA16CC3	CCS2 + CCS2	ALFA16CC5
	CCS2 + ChAdEMO	ALFA16CH3	CCS2 + ChAdEMO	ALFA16CH5
180 kW	CCS2	ALFA18C3	CCS2	ALFA18C5
	CHAdEMO	ALFA18H3	CHAdEMO	ALFA18H5
	CCS2 + CCS2	ALFA18CC3	CCS2 + CCS2	ALFA18CC5
	CCS2 + ChAdEMO	ALFA18CH3	CCS2 + ChAdEMO	ALFA18CH5
240 kW	CCS2	ALFA24C3	CCS2	ALFA24C5
	CHAdEMO	ALFA24H3	CHAdEMO	ALFA24H5
	CCS2 + CCS2	ALFA24CC3	CCS2 + CCS2	ALFA24CC5
	CCS2 + ChAdEMO	ALFA24CH3	CCS2 + ChAdEMO	ALFA24CH5
320 kW	CCS2	ALFA32C3	CCS2	ALFA32C5
	CHAdEMO	ALFA32H3	CHAdEMO	ALFA32H5
	CCS2 + CCS2	ALFA32CC3	CCS2 + CCS2	ALFA32CC5
	CCS2 + ChAdEMO	ALFA32CH3	CCS2 + ChAdEMO	ALFA32CH5
Payment terminal				ALFA24PGF

alfaCharge DC Super Fast Charger



Features /alfaCharge DC Super Fast Charger



المواصفات السعودية
Saudi Standards



High efficiency

- CCS2 or CHAdeMO connectors
- 3.5m or 4.8m Cable / Customized upon request
- Mode 4 charging according to IEC 61851
- Inbuilt energy meter
- Modular design up to 480kW

User friendly



- Compatible with next generation e-cars (VDC: 150 - 920 V)
- 15.6 inch display for intuitive user guidance
- Advertising can be displayed
- Direct payment terminals with NFC
- Emergency button
- Simultaneous charging



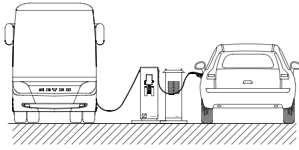
Connect to cloud

- RFID reader
- LTE modem 4G
- Ethernet port
- OCPP 2.0.1

Best choice



- Fast and easy installation
- Outdoor installation IP54
- Operable in harsh conditions
- Cable management system



Electrical parameters				
DC PowerUnit	120kW	160kW	200kW	240kW
Function	Power Supply Unit for DC Charger			
Supply Voltage (input)	400V 3Ph+N+PE, 50/60Hz			
Supply Terminals	5 Poles [3Ph+N+PE]			
Max Charging Voltage DC	1000V			
Number of connected chargers	Up to 4			
Mounting	Floor mounted on concrete base			
Dimensions	H/W/D: 1850 mm / 1400 mm / 545 mm			
DC Cable Size	max. 185 mm ² (1000 V - max. 50 m)		max. 300 mm ² (1000 V - max. 50 m)	
AC Cable Size	max. 150 mm ² (500 V - max. 50 m)		max. 300 mm ² (500 V - max. 50 m)	
Distance between PU & Chargers	max. 50 meter			

Electrical parameters					
alfaCharge Dispenser	Single			Dual	
	1x CHAdeMO	1x CCS2	1x CCS2 & 1x CHAdeMO		2x CCS2
Charging Mode	Mode 4				
Supply Voltage AC	230V (1P+N+PE)				
Power Output	62,5 kW	120 - 480 kW	120 - 480 kW	62,5 kW	120 - 480 kW
Max Charging Current	max. 125A	max. 500A	max. 500A	max. 125A	max. 500A
Supply Voltage DC	500 VDC	1000VDC	1000VDC	500 VDC	1000VDC
Simultaneous Charging	No	No	Optional		Yes
Charging Voltage	DC [150-920V]				
Charging cable with fluid cooling	No	Optional	Optional	no	Optional

User interface	
Connectivity	3G/4G/Ethernet/OCPP 2.0.1 (Open Charge Point Protocol)
User Authentication	RFID, Mobile App [OCPP]
User Interface	Via 15.6 Inch Display, via Online Access

Mechanical parameters	
Cable length	Fixed (3.5 meters) or Cable Pull (4.8 meters) / Customized upon request
Protection degree	(IP54/IK10)
Enclosure Material	Stainless Steel
Mounting	Ground mounted
Product dimensions	H/W/D: 1.864,9 mm / 450 mm / 500 mm
Package dimensions	H/W/D: 2300 / 800 / 800 mm
Weight	approx. 250 KGs

Certificates	
Standards	IEC 61851-1, IEC 61851-23, IEC 61851-24, IEC 61851-21-2
Warranty	2 years

alfanar

Charging Management Software Platform as a Service



alfanar's end-to-end EV charging management smart solutions (platform as a service) allows customers to have full monitoring and control features over the charger and the charging process.

Site Management

- Add / remove site
- Manage contacts
- Manage timing
- Max power supply for smart charging

Users and Roles Management

- Add / remove user
- Define user roles (multi levels)
- Access to roles
- Fleet management system

Station Management

- Add / remove stations
- Connect station to network
- Setup / update tariffs
- Promo codes for holidays/special occasions
- Invoicing system (integration with 3rd party payment gateway)

Network Dashboard

- Real time network visibility
- Filter by site, connector, status
- Utilization history reporting
- View stations in map

Customer Management

- Add / remove customers
- Customer contact details
- Assign/manage RFID

Alert & Warnings

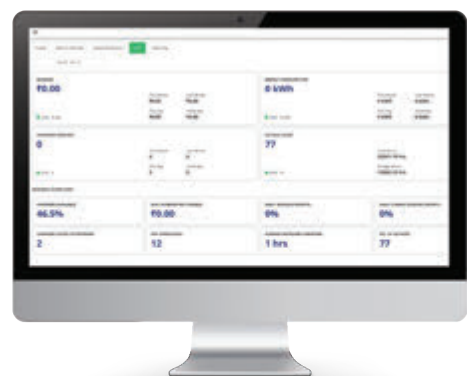
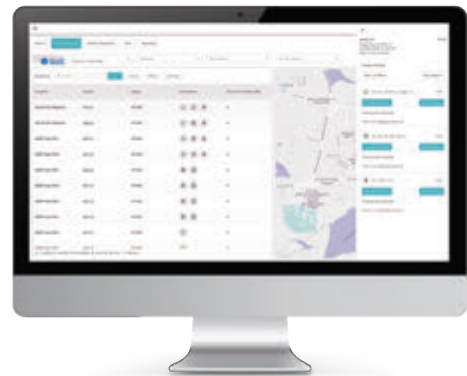
- Highlight stations that need attention (failures)
- Show warnings error details
- Show suggested corrective actions
- Pop up to view quick station details
- Urgent operation (stop charging)
- View tariffs
- Report current transaction details

Service Management

- Remote commands for troubleshooting and controlling
- Over the air updates for chargers firmware
- Load management system
- Diagnose issues
- Update station configurations

Users and Role Management

- Filter by data range, site, charger, model, connector type
- View KPIs (power consumption, hours in use, revenue, etc...) See pattern in chart
- List of transaction history
- Export detailed logs for further analysis
- Daily, weekly and monthly analytic reports



alfanar

EV Infrastructure



EV-Infrastructure

EV SKID

The alfanar EV SKID Mounted DC charging solution provides vertical integration from the medium voltage network to a car charging dispenser making it an ideal solution for public charging stations.



Key features

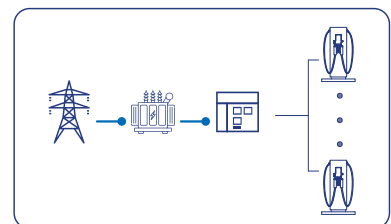
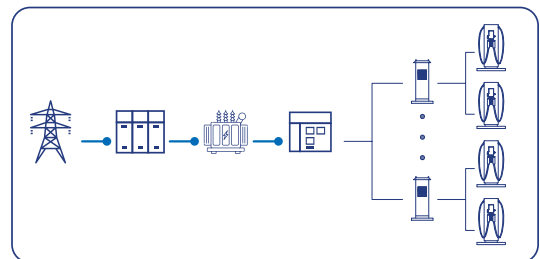
- Plug and Play pre-tested solution at factory
- Charger and system balance in one package
- Compact size saving station area for infrastructure
- Flexible configuration
- Type tested ensuring safety of O&M
- Designed for outdoor installation

Installation

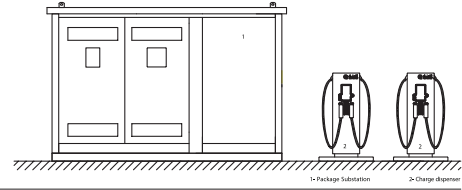
- Easy to transport
- Delivered to customer as turnkey solution
- Minimal effort required for onsite installation

Special functions

- Ingress protection - IP54
- Forced cooling optional for DC connections
- Easy remote monitoring of EV chargers through APP/ Web based portal

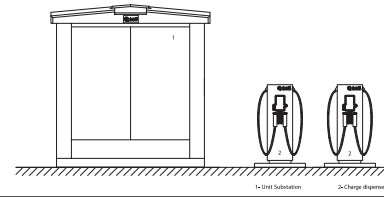


EV-Skid



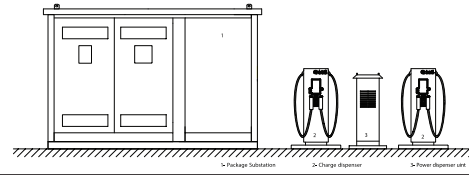
Input	EVS1W320
Medium voltage	13.8kV / 33kV
AC power @50°C	2 MVA
Rated frequency	50Hz / 60Hz
Cooling	ONAN - corrugated
Tap changer	+/- 5% in step of 2.5%
Anti-corrosion	Heavy durability as per ISO12944-2
Vector group	Dy11
Protection	DMCR protection relay for oil pressure, temperature and gassing
Sealing type	Hermetically sealed
Ingress protection	Outdoor rated IP54
MV Switchgear	
Type	RMU
Rated current	400A / 630A
Voltage rating	Up to 24kV / upto 36kV
RTU	Optional
Circuit breaker type	Vacuum
Switch disconnector type	General purpose, three-positioned (OPEN-CLOSED-EARTHED)
Short circuit rating	21kA 1Sec / 25kA 1Sec
Ingress protection	Outdoor rated IP54
Charger - ECC320	
Plug type for one charge dispenser	2x CCS2
Number of charge dispensers	6
Number of charge point	12
Charging power per charge point	Single - 40kW - 320kW / Double - 80kW - 320kW
Simultaneous charging available	Yes
Cable length	3.0M (Mount) / 4.8M (Cable pull)
Communication standard	OCPP V 1.6.J
Payment terminal	With card slot, PIN pad and NFC module for contactless payment
"Payment Options with Direct Payment"	"Debit card, Girocard, MasterCard, Visa, contactless payment via RFID/NFC for GooglePay and ApplePay, members cards, discount cards and loyalty cards
Display	15.6 inch display, Can be used for advertising
Temperature ranges	Operating temp.: -25 to +45°C
Dimensions	
Length x Width x Height (mm)	5900 X 2500 X 2400

EV-Skid



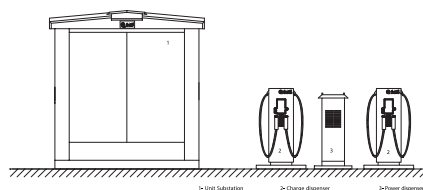
Input	EVS320
Medium voltage	13.8kV / 33kV
AC power @50°C	0.5MVA / 1.0MVA / 1.5MVA
Rated frequency	50Hz / 60Hz
Cooling	ONAN - Corrugated
Tap changer	+/- 5% in step of 2.5%
Anti corrosion	Heavy durability as per ISO12944-2
Vector group	Dy11
Protection	DMCR pottection realy for oil pressure, temperature and gassing
Sealing type	Hermetically sealed
Ingress protection	Outdoor rated IP54
RMU	No
Charger - ECC320	
Plug type for one charge dispenser	2x CCS2
Number of charge dispensers	1 / 3 / 4
Number of charge point	2 / 6 / 8
Charging power per charge point	Single - 40kW - 320kW / Double - 80kW - 320kW
Simultaneous charging available	Optional
Cable length	3.5M (Mount) / 4.8M (Cable pull)
Communication standard	OCPP V 1.6.J
Payment terminal	With card slot, PIN pad and NFC module for contactless payment
"Payment Options with Direct Payment"	"Debit card, Girocard, MasterCard, Visa, contactless payment via RFID/NFC for GooglePay and ApplePay, members cards, discount cards and loyalty cards
Display	15.6 inch display, Can be used for advertising
Temperature ranges	Operating temp.: -25 to +45°C
Dimensions	
Length x Width x Height (mm)	5900 X 2500 X 2400
Weight approx.	SKID - 10T, Charge dispenser - additional

EV-Skid



Input	EVS1W480P2
Medium voltage	13.8kV / 33kV
AC power @50°C	2 MVA
Rated frequency	50Hz / 60Hz
Cooling	ONAN - Corrugated
Tap changer	+/- 5% in step of 2.5%
Anti corrosion	Heavy durability as per ISO12944-2
Vector group	Dy11
Protection	DMCR protection relay for oil pressure, temperature, and gassing
Sealing type	Hermetically sealed
Ingress protection	Outdoor rated IP54
MV Switchgear	
Type	RMU
Rated current	400A / 630A
Voltage rating	Up to 24kV / upto 36kV
RTU	Yes, Optional
Circuit breaker type	Vacuum
Switch disconnector type	General purpose, three-positioned (OPEN-CLOSED-EARTHED)
Short circuit rating	21kA 1Sec / 25kA 1Sec
Ingress protection	Outdoor rated IP54
Charger - EC500	
Plug type for one charge dispenser	1x CCS2 & 1x CHAdeMO or 2x CCS2
Number of charge dispensers	Up to 8
Number of charge points	Up to 16
Charging power per charge point	Quadruple - 60kW - 240kW or Dual - 120kW-480kW
Simultaneous charging available	Optional
Cable length	3.5M (Mount) / 4.8M (Cable pull)
Charging cable with fluid cooling	Yes, Optional for 500A
Communication standard	OCPP V 1.6.J
Payment terminal	With card slot, PIN pad and NFC module for contactless payment
"Payment Options with Direct Payment"	"Debit card, Girocard, MasterCard, Visa, contactless payment via RFID/NFC for GooglePay and ApplePay, members cards, discount cards and loyalty cards, mobile payment via Bluetooth"
Display	15.6 inch display, Can be used for advertising
Temperature ranges	Operating temp.: -25 to +45°C
Dimensions	
Length x Width x Height	5900 X 2500 X 2400

EV-Skid



Input	EVS480P2
Medium voltage	13.8kV / 33kV
AC power @50°C	0.5MVA / 1.0MVA / 1.5MVA
Rated frequency	50Hz / 60Hz
Cooling	ONAN - corrugated
Tap changer	+/- 5% in step of 2.5%
Anti corrosion	Heavy durability as per ISO12944-2
Vector group	Dy11
Protection	DMCR protection relay for oil pressure, temperature, and gassing
Sealing type	Hermetically sealed
Ingress protection	Outdoor rated IP54
RMU	No
Charger - ECC320	
Plug type for one charge dispenser	1x CCS2 & 1x CHAdeMO or 2x CCS2
Number of charge dispensers	2 / 4 / 6
Number of charge points	4 / 8 / 12
Charging power per charge point	Quadruple - 60kW - 240kW or Dual - 120kW-480kW
Simultaneous charging available	Optional
Cable length	3.5M (Mount) / 4.8M (Cable pull)
Charging cable with fluid cooling	Yes, Optional for 500A
Communication standard	OCPP V 1.6.J
Payment terminal	With card slot, PIN pad and NFC module for contactless payment
"Payment Options with Direct Payment"	"Debit card, Girocard, MasterCard, Visa, contactless payment via RFID/NFC for GooglePay and ApplePay, members cards, discount cards and loyalty cards, mobile payment via Bluetooth"
Display	15.6 inch display, Can be used for advertising
Temperature ranges	Operating temp.: -25 to +45°C
Dimenstions	
Length x Width x Height	5900 X 2500 X 2400
Weight approx.	SKID - 10T, Charge dispenser - additional

Notes

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Notes

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