



MOBILITY IS GOING ELECTRIC.

Make the future green. GIFAS offers a complete array of solutions for your electrical charging infrastructure - with state-of-the-art technology and sophisticated design made for the most up-to-date requirements. Practical charging stations for e-bikes are also available in addition to wall chargers and charging pillars for electric cars. Whether as a charging unit with photovoltaics or a classic solution for your garage: We are shaping the way for tomorrow - today.

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Our areas of application

Charging stations for private, commercial and semi-public areas

Electrically powered vehicles are becoming increasingly important in these times of rising energy prices and growing environmental awareness. The network of electric charging stations is growing day by day. With our range of electric mobility devices, you can count on cost-saving, sustainable, environmental friendly mobility for the future. For companies with electric vehicles in their e-fleets or hotels and commercial enterprises with large areas for parking, GIFAS is a powerful partner in the field of electromobility.

We provide reliable 'Made in Germany' solutions and install the required passenger car charging pillars and e-bike charging stations within your operational range, as needed. We rely on high-quality materials and first-class workmanship. All products are designed for a long and safe lifespan. That is our promise.

Private sector:

Having an electric car in the garage, carport or in your own parking space makes you a role model for your family, friends and colleagues. Less CO2 emissions, less fine dust pollution and less noise - these are the arguments in favour of electromobility.

Commercial and semi-public sector:

Whether the charging stations are needed for a fleet located on the factory premises, for commercially operated car parks, parking garages or for parking areas in shopping centres and hotels: You will be prepared for a clean future.

GIFAS charging stations are prewired and ready for immediate operation, once the local supply system and commissioning have been made by an electrician. Depending on your requirements, the charging points and stations are equipped with various features such as smart charging management and authorisation via a RFID or a web interface.



Our series

Series	Charging capacity	Functional range
B-Series	up to 11kW	Permanent release Vehicle communication with charge in MODE 3 Motorised locking of the charging plug LED status indicator
R-Series	up to 11kW	Release via RFID card Vehicle communication with charge in MODE 3 Motorised locking of the charging plug LED status indicator
S-Series	up to 22kW, optionally up to 43kW	Release via a web interface, smartphone, PC (browser-based) Vehicle communication with charge in MODE 3 Motorised locking of the charging plug LED status indicator Managing each charge is easy WiFi-enabled Integrated digital MID counter Management of real-time data via web interface (browser-based)

Requirements for charging pillars and stations




	Authorisation	Controllable	Nondiscriminatory	Safety	Power socket Type 2	Socket Protective contact Socket CEE 230V
Private/commercial	-	o	-	+	+	o
Semi-public	o	o	o	+	+	o

+ Yes - No o Optional

Charging modes

Charging mode	Connection on the power side	Connection on the vehicle side	single-phase	three-phase	Communication with vehicle	Interlocking
Mode 1	Protective contact or CEE socket	Type 2	max. 16A/3.7kW	max. 16A/11.0kW	None	On
Mode 2	Protective contact or CEE socket	Type 2	max. 32A/7.4kW	max. 32A/22.0kW	Communication module in the charging cable	On vehicle
Mode 3	Power socket type 2	Type 2	max. 32A/7.4kW	max. 63A/43.0kW	Communication module in the charging station	On vehicle / charging socket

AC charging plugs

Parameters			
Standard	IEC 62196-2 Type 1	IEC 62196-2 Type 2	GB/I
Distribution range	USA, Japan	Europe	China
Max. phase	1 to 2	3	1
Max. voltage	250V	500V	250V
Max. power	32A	70A	32A

Charging pillar for mode 3

Conventional charging stations usually charge as quickly as possible. The peak loads result in high energy costs for the respective companies and also place an excessive burden on the network infrastructure, which is currently still not sufficiently developed. In the event of overstressing there is a risk that charging pillars stall so that vehicles are not able to be charged. GIFAS has the right solution with its charging pillars. Our charging pillars collect relevant energy data, communicate with the building, the photovoltaic system, the energy storage system, as well as with other interconnected charging stations in order to distribute the energy provided by the grid with the maximum efficiency. By cleverly controlling the currents, the available power can be distributed to consumers in the best possible way. This avoids possible peak loads and provides a safe loading structure for your green vehicle fleet.

YOUR BENEFITS

Control and monitoring

The operation and visualisation of consumption data is carried out using a web interface. With a clearly arranged dashboard you have access to all of the functions and insight into the charging pillars current live data as well as all historical consumption data: On your smartphone or in your computer's browser. The visualisation of consumption data such as energy performance and distribution give you a reliable view of the charging status and allow for the professional management of your charging pillars.



Structural expansion as required

You can connect and network up to 128 charging pillars, one after the other, using one main supply line. This saves effort and money in terms of network preparation and peripherals. Risk-free expansion of infrastructures - step by step as needed. On request, we also offer all of our charging pillar series with an attached charging cable (spiralled also possible).

Charging process - easy made

Personalise your pillars and create intelligent infrastructure to be proud of. Choose how much energy you can provide and the interconnected pillars will distribute it evenly to all of the charging vehicles or according to your set of priorities. Depending on the need, individual pillars can be switched on all day or only during the opening hours.

Simple billing

Using the included web application, the charging pole can be activated and deactivated individually for e-fuelling, whether via smartphone or the stationary computer. Whether on the company premises, in the hotel car park or on the parking lot of the amusement park: A flat fee is charged quickly and easily. If an individual bill is to be based on the actual consumption, our charging pillars come with the e-roaming platform HUBJECT, which is integrated in Europe's largest charging network of electric cars (intercharge).

Smart Home

In addition to the conventional mains supply, the charging pillar can be operated in combination with renewable solar power from your domestic grid. This relieves your infrastructure and compensates your investment volume. We provide you with the appropriate Smart Home Plugin for building control purposes.

Item no.	Design	Number of charging points	B-Series	R-Series	S-Series	Dimensions WxHxD (mm)	Colour
291560	Charging pillar B100 with a Type 2 socket	1	x	-	-	111x1600x200	Light grey
291561	Charging pillar B200 with a Type 2 socket	2	x	-	-	200x1600x200	Light grey
291562	Charging pillar R100 with a Type 2 socket	1	-	x	-	111x1600x200	Light grey
291563	Charging pillar R200 with a Type 2 socket	2	-	x	-	200x1600x200	Light grey
291564	Charging pillar S100 with a Type 2 socket	1	-	-	x	111x1600x200	Light grey
291565	Charging pillar S200 with a Type 2 socket	2	-	-	x	200x1600x200	Light grey

Accessories

Item no.	Design	B-Series	R-Series	S-Series	Dimensions WxHxD (mm)	Colour
291572	Foundation Anchor Charging Pillar 100	x	x	x	111x10x300	Light grey
291573	Foundation Anchor Charging Pillar 200	x	x	x	222x10x300	Light grey
291576	RFID Master Card (Replacement)	-	x	-	85x55	White
291575	Powerline Module Network Communication	-	-	x	90x73x66	Grey
291729	Smart Meter Measuring System	-	-	x	89x72x66	Grey
291577	FI (type B) for charging pillar, mounted	x	x	x		
291994	Assembly, commissioning, instruction	x	x	x		

Wall charging station for mode 3

The GIFAS wall charging station is notable for being simple to use as well as for its compact design. It is ideally suited to locations that require a high level of performance within a small space. The state-of-the-art charging technology ensures for maximum reliability when charging.

The durability and toughness that GIFAS is known for is apparent in all of the wall charging station series. This particularly based on the solid rubber distributors that come as basic housing. The outer housing is made of powder-coated sheet steel in RAL 7035 light grey.

Being highly stable and impact resistant, having great weather-, UV- and ozone resistance, as well as a high electrical insulation capacity make the wall charging station a long-lasting and reliable charging unit.

GIFAS charging stations are prewired and ready for immediate operation, once the local supply system and commissioning have been made by an electrician. Depending on your requirements, the charging points and stations are equipped with various features such as smart charging management and authorisation via a RFID or a web interface.



Item no.	Design	B-Series	R-Series	S-Series	Dimensions WxHxD (mm)	Colour
291566	Wall box B100 with a type 2 socket	x	-	-	252x711x139	Light grey
291567	Wall box B100 with 4m attached charging cable and type 2 coupling	x	-	-	252x711x139	Light grey
291568	Wall box R100 with a type 2 socket	-	x	-	252x711x139	Light grey
291569	Wall box R100 with 4m attached charging cable and type 2 coupling	-	x	-	252x711x139	Light grey
292413	Wall box S100 with a type 2 socket and RCM	-	-	x	252x711x139	Light grey
292429	Wall box S100 with 4m attached charging cable and type 2 coupling and RCM	-	-	x	252x711x139	Light grey

Accessories

Item no.	Design	B-Series	R-Series	S-Series	Dimensions WxHxD (mm)
291574	Base column for wall box, galvanised	x	x	x	400x1500x400
291575	Powerline Module Network Communication via Power Cable	-	-	x	90x73x66
291576	RFID Master Card (Replacement)	-	x	-	85x55
291578	RCM for wall box, mounted	x	x	x	
291994	Assembly, commissioning, instruction	x	x	x	



Charging Column GAS 160

Whether indoors or outdoors, the connections are protected by the closed, corrosion-free aluminium profile and provide the maximum level of safety during the charging process. The robust design and high level of stability make the station a very reliable charging unit. The surface is dirt-resistant. Installation is quick with the included base plate.

The state-of-the-art charging technology ensures for maximum reliability when charging. Equipped with protective contact sockets, the charging column is pre-installed and ready to use. It only needs to be connected by an electrician. It is easy and convenient to charge.

The connected load can be up to 22kW (3.6kW per protective contact socket).



Whether on the town square, at university or in the shopping promenade - the installation of these charging stations at busy hotspots allows cyclists to see the sights of the city or to get a cup of coffee while the battery of the electric bike is charging. Those who offer the opportunity of recharging a bicycle during business hours may attract potential groups of buyers to key locations.

Numerous cities and municipalities are already working intensively on making attractive routes out of their local bike paths. The concept takes into account the need for a suitable charging infrastructure that is flexible, technically reliable, sturdy and durable. This is where the new E-solutions from GIFAS come in.

Item no.	Design	Number of charging points	Charging connector	Dimensions WxHxD (mm)	Colour
291627	Charging Pole GAS 160/ E4	4	4x Protective contact	160x1200x110	Anodised
291628	Charging Pole GAS 160/ E6	6	6x Protective contact	160x1200x110	Anodised

Charging Station E500



Charging station E500 - the practical charging solution.

Model with 5 lockers for the charger and cable.

The terminal connections are protected by robust stainless steel housing that ensures for maximum safety throughout the charging process. Its robust design and high level of stability make the E500 a reliable loading unit. The surface is dirt-resistant. Equipped with one safety socket per compartment, the charging station is pre-installed, ready for use, it just needs to be connected to the local supply system and commissioned by an electrician.

Technical properties

Solid rubber distributors

Fuse protection 3x RCCB/MCP 10A
(2x2 compartments / 1x1 compartment)

Item no.	Design	Number of lockers/service compartments	Number of charging points	Charging connector	Dimensions WxHxD (mm)	Colour
291625	Charging Station E500	5 + 1	5	Protective contact	2530x1610x490	Silver / brushed stainless steel



Charging Station E500D



Charging Station E500D - the covered charging solution.

Model with 5 lockers for the charger and cable as well as a canopy with 8 watt LED lighting and a motion detector.

The terminal connections are protected by robust stainless steel housing that ensures for maximum safety throughout the charging process. Its sturdy design and high level of stability make the E500D a reliable charging unit. The surface is dirt-resistant. Equipped with one safety socket per compartment, the charging station is pre-installed, ready for use, it just needs to be connected to the local supply system and commissioned by an electrician.

Technical properties

Solid rubber distributors

Fuse protection 3xRCCB/MCB 10A
(2x2 compartments / 1x1 compartment)
1x MCB 10A (LED lighting)

Item no.	Design	Number of lockers/service compartments	Number of charging points	Charging connector	Dimensions WxHxD (mm)	Colour
291626	Charging Station E500D	5 + 1	5	Protective contact	2530x2550x1667	Silver / brushed stainless steel

Accessories

Item no.	Design
291667	Advertising panel, transparent acrylic (unprinted), mounting materials included Dimensions (WxHxD) 3000x350x10mm

Charging Station E600S



Charging Station E600S - the ecological charging solution.

The self-sufficient solar power system generates electricity on the roof throughout the day using its 3 photovoltaic panels and stores it in its energy storage device. Thanks to the integrated storage device, the solar power system ensures that the E600S is always ready, even when the sun isn't shining. If required, the charging station can be supplied by the conventional mains supply so that the energy storage device can be charged up to 50% of its total capacity.

The terminal connections are protected by robust housing that ensures for maximum safety throughout the charging process. Its robust design and high level of stability make the E600S a reliable loading unit for every installation site. Equipped with one safety socket per compartment, the charging station is pre-installed, ready for use, it just needs to be connected to the local supply system and commissioned by an electrician.

Compartment locker

Model with 6 lockers for the charger and cable with a brushed steel finish.

Power storage device

Model with 1 lockable door with powder-coated stainless steel (colour as per customer requirements).

Technical properties

PV-Panel

Dimensions (WxHxD) 1640x992x40mm
Power output 300W - 900W total
Number 3 pieces

Charge controller

Charging controller with a Bluetooth interface that can be controlled via the app
Nominal charge current 30A

Battery

Battery type AGM (sealed, gas-tight)
Capacity 75Ah (12V, 900Wh) - 300Ah total
Number 4 pieces

Power inverter

Output capacity 1000W - 2000W total
Number 2 pieces

Solid rubber distributors

Fuse protection 3x RCCB/MCB 10A (3x2 compartments)
1x MCB 10A (LED lighting)

Item no.	Design	Number of lockers/service compartments	Number of charging points	Charging connector	Dimensions WxHxD (mm)	Colour
291624	Charging Station E600S	6 + 0	6	Protective contact	3170x2550x1667	Silver / brushed stainless steel

Accessories

Item no.	Design
291667	Advertising panel, transparent acrylic (unprinted), mounting materials included Dimensions (WxHxD) 3000x350x10mm

Use cases - Passenger car charging pillar





Use cases - Charging station PEDELEC / E-Bike



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