Electric Vehicle Supply Equipment







Motors | Automation | Energy | Transmission & Distribution | Coatings



CONNECTING YOU TO THE ELECTRIC MOBILITY

Whether in the Wall model, designed for homes and condominiums, in the Parking model, developed for shopping malls, parking lots and public spaces, or in the Station model, ideal for roads, WEMOB® Charging Stations provide greater safety and protection for you and your electric vehicle than a conventional electrical outlet, in addition to charging the batteries fast and reliably, preserving their life cycle.

Electric vehicles are a global trend, and having a charger will be essential in this new scenario. For this reason, WEG developed the WEMOB® (WEG Electric Mobility), line of Electric Vehicle Supply Equipment, especially designed to meet the power, charging speed and safety requirements.

TECHNOLOGY **SUSTAINABILITY** EFFICIENCY SPEED SAFETY



7.4 kW







HIGH PERFORMANCE COMBINED WITH CONVENIENCE

51

The **WEMOB® WALL** Charging Station has been designed for indoor or outdoor (IP65) operation in garages or parking lots. With a modern, compact and wall-mounted design, WEMOB® Wall is perfect for homes and condos. Compatible with any alternating voltage, single-phase or two-phase, it combines safety with convenience for your daily routine.



Weg

WEMOB

((RED))

compact and easy to install

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Note: 1) Subscription for mobile application and management software not include, coming soon.



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IDEAL FOR HOMES UP TO **7.4** kW



INSTALLATION FROM 100 UP TO 240 V

single-phase or two-phase

SECURE ACCESS

CONTROL

via proximity cards (RFID), mobile application ¹⁾ or management software

TYPE 1 OR TYPE 2

CONNECTOR positioned for unhindered access

OUTDOOR OPERATION

resistant to water jets, UV rays and dust

OPEN COMMUNICATION PROTOCOL

OCPP 1.6 JSON allows interoperability between stations and systems in the cloud

5 METER CABLE

ENERGY MEASUREMENT allowing the collection of

allowing the collection of consumption information



















TEGAMGAL SPECIFICATIONS

GENERAL	Model	
GENERAL	Item code	
	Supply voltage	
AC INPIIT	Frequency	
	Maximum input current	
	Maximum power consumption	
	Maximum output power	
AC OUTPUT	Output voltage	
	Output current	
	Number of outlets	
	Connector type	
	Connection cable length	
	High resolution LCD screen	
MECHANICAL	Temperature	
CHARACTERISTICS	Protection degree	
	Impact rating	
	Dimension without connector/socket H x W x D	
	Dimension with connector/socket H x W x D	
	Weight	
	Overcurrent	
	Overtemperature	
ELECTRICAL PROTECTION	EV communication fault	
	Surge protection (control)	
	Ground fault detection	
ADDITIONAL	Energy measurement	
CHADACTEDICTICS	Identification	
CHARACIERISIICS	User interaction	
	IEC 62955	
CODES AND STANDARDS	IEC 61851-1	
	IEC 61439-7	
COMMUNICATION	OCPP 1.6 JSON	
	RFID	
	WEMOB® Management Platform	
	WI-FI	
	4G (LTE Cat M1 and LTE Cat NB1)	
	Ethernet	



Notes: 1) Output power depends on the supply voltage and current. To obtain ma mum power, the value as shown above.

to that end, coming soon.

3) The customer must provide a SIM card and choose the cell phone operator. Also, the customer shall bear the costs for data communication services.





PARKING	
HENCE MILLOR	
WEMOB-P-023-W-E-4G-R-	WEMOB-P-023-W-E-4G-R-
-112	-HIWI-ZIZ
00-240 V AC P+N+F/P+P+F r)[
196-415 V AC +- 10% 3P+N+	E
kW	44 kW
22 kW ¹⁾	2x up to 22 kW $^{1)}$
	1
	2 cables with connectors
e 2	
-	Included
500 055	450
536 x 355	x 156 mm
536 x 355	x 266 mm
12 kg	14 kg
,	
	LEDS and LCD Screen
.ware 2)	
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rchased separately)	
Included ³⁾ (SIM card a	nd data communication
rchased separately) Included ³⁾ (SIM card a services nu	nd data communication ot included) uded
	PARKING Image: system of the separately) PARKING PARKING PARKING Image: system of the separately

2) WEMOB® Charging Stations are compatible with management software applications. WEMOB® Management Platform can be used





TECHNICAL

SPECIFICATIONS



GENERAL	Model and Item code	WEMOB-S-060-W-E-4G-R-H-1T2-1CCS-1CH / 16065673 WEMOB-S-090-W-E-4G-R-H-1T2-1CCS-1CH / 16065676 WEMOB-S-120-W-E-4G-R-H-1T2-1CCS-1CH / 16065677 WEMOB-S-150-W-E-4G-R-H-1T2-1CCS-1CH / 16065778	WEMOB-S-150-W-E-4G-R-H-1CCS / 16120082	
	Supply voltage	380-415 V AC ±	= 10% 3P+N+E	
INPUT	Frequency	50/60 H	z ± 5%	
	Maximum input current	WEMOB-S-060: 193 A WEMOB-S-090: 248 A WEMOB-S-120: 304 A WEMOB-S-150: 360 A	260 A	
	Maximum power consumption	WEMOB-S-060: ≤ 114 kW WEMOB-S-090: ≤ 147 kW WEMOB-S-120: ≤ 180 kW WEMOB-S-150: ≤ 213 kW	≤ 165 kW	
	Power factor	0.9 from 25 0.98 from 50	0.9 from 25 to 50% load 0.98 from 50 to 100% load	
	Efficiency	95	95%	
ΟΠΤΒΠΤ	Maximum output power	WEMOB-S-060: 60 kW CC e 43kW CA WEMOB-S-090: 90 kW CC e 43kW CA WEMOB-S-120: 120 kW CC e 43kW CA WEMOB-S-150: 150 kW CC e 43kW CA	150 kW DC 1)	
	Output AC voltage	According to supply voltage	-	
	Output DC voltage	150 - 92	20 V DC	
	Protection rating		IP54	
	Impact rating		IK08	
	Operating temperature	0 to 40 °C - Up to 5	0 to 40 °C - Up to 50 °C with derating	
	Dimensions (HxWxD)	2082 x 1128	2082 x 1128 x 960 mm	
MECHANICAL	Weight	≤ 60	≤ 600 kg	
WEGHANIGAL	Number of plugs	3 plugs with fixed cables	1 plug with fixed cable	
CHARACTERISTICS	Connector type	CUS-2 CHAdeMO Type 2	CCS-2	
	Connection cable length	3.8 m	eters	
	10.1" color LCD screen	Included		
	Mounting style	Floor mounted		
	Separate cabinet	N	0	
	Short circuit		ded	
	Overcurrent		Included	
	Surge protection (control)		Included	
ELECTDICAL DEGTECTION	Uvervoltage (power module)			
ELECTRICAL PROTECTION	Ondervollage (power module)			
	EV communication fault			
	Insulation fault (IMD)			
	Ground fault detection - type 2 conecctor		BCD - 30 mA AC and 6 mA DC	
	Energy measurement			
ADDITIONAL CHARACTERISTICS	Identification	LEDs and LCD Screen		
	User Interaction	Automatic, RFID or management software ²⁾		
	IEC 61851-23	Yes		
CODES AND STANDARDS	IEC 61851-1	Yes		
	IEC 61439-1	Ye	Yes	
	OCPP 1.6 JSON	Inclu	ded	
	RFID	Included (RFID cards not included	d, may be purchased separately)	
COMMUNICATION	WEMOB [®] Management Plataform	Opcional ²⁾ (subscription not includ	Opcional ²⁾ (subscription not included, may be purchased separately)	
COMMONICATION	Wi-Fi		Included	
	4G (LTE CAT-M1 / NB1)	Included ³⁾ (SIM card and data com	Included ³⁾ (SIM card and data communication services not included)	
	Ethernet	Inclu	ded	

Notes: 1) WEMOB® Station models may be built in different configuration considering output power and quantity of connectors. Please contact us for more information.

2) The charging stations are compatible with management software applications. WEMOB® Management Platform can be used to that end,coming soon.

3) The customer must provide a SIM card and choose the cell phone operator. Also, the customer shall bear the costs for data communication services.





ACESSORIES

Electrical Protection Board

- Residual current device (RCD) type A curve C)
- Surge suppressor
- Thermomagnetic circuit breaker
- IP31

Cable Hook

- Sturdy material
- Outdoor operation

Separate Cables

- 4 meters
- Maximum current: 32 A



- Mifare technology
- Registration via master card or WEMOB[®] platform

WEMOB

Mounting Pedestal

- Floor-mounted
- Steel Bracket with DIN rail to install electrical protection devices inside



Spare Parts

- Fixed and separate cables
- LCD screen

- Electronic boards Connector holster

Charging station connector	Electric vehicle connector	Number of phases	Reference
Туре 2	Type 2	3	CAB-WEMOB-3F-T2-T2
	Type 2	1	CAB-WEMOB-1F-T2-T2
	Туре 1	1	CAB-WEMOB-1F-T2-T1

- Front panel
- Among others

INSTALLATION GUIDELINES

The guidelines and suggestions must be observed to ensure the correct operation and safety of people and equipment.

Mechanical Installation

- 1 The WEMOB® WALL Charging Station must be fixed vertically on a flat surface with the 4 (four) sets of screws and wall plugs 4,8 x 38mm provided.
- 2 To ensure proper operating conditions and a longer service life of the station, the following requirements must be observed:

Electrical Installation

- 1 Minimum wire gauge for the station configured at the maximum current (32 A): Phase: 1x6.0 mm²
- station, in addition to a surge suppressor.
- 3 Ground the station properly. The grounding resistance must be less than 100 (one hundred) ohms.





[16.76]

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- Do not expose it to high temperatures
- Do not expose it to corrosive environments
- Do not expose it to combustible materials
- It must be installed in a ventilated environment
- Avoid excessive vibration
- Provide enough space to allow users to circulate

Neutral: 1x6.0 mm² Ground: 1x6.0 mm²

2 - The external power circuit of the station must have a circuit breaker (curve C, correctly sized according to the gauge and length of the wiring) and a residual current device with sensitivity of 30 mA AC exclusive for the



WEMOB® WALL dimensions



INSTALLATION GUIDELINES

The directions and suggestions must be observed to ensure the operation and safety of people and equipment.

Mechanical Installation

- 1 The WEMOB® PARKING Charging Station must be fixed vertically on a flat surface with the 4 (four) sets of screws and wall plugs 4.8 x 38 mm provided.
- 2 To ensure proper operating conditions and a longer service life of the station, the following requirements must be observed:
- Do not expose it to high temperatures
- Do not expose it to corrosive environments
- Do not expose it to combustible materials
- It must be installed in a ventilated environment
- Avoid excessive vibration
- Provide enough space to allow users to circulate

Electrical Installation

- 1 Minimum wire gauge for the station configured at the maximum current (32 A): Phases: 1x6.0 mm²
 - Neutral: 1x6.0 mm²

Ground: 1x6.0 mm²

- 2 The external power circuit of the station must have a circuit breaker (curve C, correctly sized according to the gauge and length of the wiring) and a residual current device with sensitivity of 30 mA AC exclusive for the station, in addition to a surge suppressor.
- 3 Ground the station properly. The grounding resistance must less than 100 (one hundred) ohms.



44.0 [1.73] (3x)





WEMOB® PARKING dimensions, valid for WEMOB-P-023-W-E-4G-R-XT2

WEMOB-P-023-W-R-1T2 dimensions according to WEMOB® WALL model.



INSTALLATION GUIDELINES

Mechanical Installation

- 1 The base of the pole must be fixed to a concrete structure with a minimum fck of 25 MPa and the minimum dimensions indicated in the figure below.
- barrier to prevent vehicles from colliding with the station.
- 3 To fix the pole base to the concrete structure, use the four anchors (3/8"x3") supplied with the product.

Electrical Installation

- 1 Use the DIN rail (inside) to install the electrical protection devices.
- the power cable is enough to connect to the internal terminals of the charging station.









2 - Provide at least one meter space around the station to allow users to circulate. It is recommended to provide a

2 - It is recommended to leave at least 1 m of additional cable length for this installation. Make sure that the length of

Hole to pass the power cables of the Wall charging station

Holes for mounting the cable holsters (02 sides)



Dimensions of the pole mounting base

11.61

 $\bigcirc \bigcirc \bigcirc$

MEMOB

450 [17.72]

820 [32.28]





WEMOB[®] Pole Dimensions



INSTALLATION GUIDELINES

Mechanical Installation

- 1 The base of the WEMOB® STATION charging station must be fixed to the ground on a concrete base with a minimum FCK of 25 MPa and minimum dimensions according to the drawing.
- 2 The base must be properly leveled on the two horizontal axes (FF35/FL25 - according to ASTM E 1155 standard).
- 3 Provide a minimum space of one meter around the station to allow users to circulate. It is recommended to provide a physical barrier to prevent vehicles from colliding with the station.

Electrical Installation

- not use a conduit with a diameter smaller than 4" (101.6 mm).
- 2) Dimension \geq 150 mm Consider when the charging station is installed on a large floor (> 1,000 x 1,000 mm).







- 4 To fix the base, use the four 3/8 "x 3.3/4" anchors supplied with the station.
- 5 In order to guarantee good operating conditions and longer equipment service life, the WEMOB® STATION EV Charging Station must be installed in an appropriate location:
 - Do not expose it to high temperatures.
 - Do not expose it to corrosive environments.
 - Do not expose it to combustible materials.
 - Install it in a ventilated environment.

1 - Conduit for cable entry dimensioned according to NBR standard should be provided. We suggest that you do

Notes: 1) Dimension ≥ 250 mm - Consider when building a dedicated base, with area dimensions between 800 x 800 mm and 1,000 x 1,000 mm.



STATION

— 1,101.6 [43.37] — ▶ 741.6 [29.2] • • • Ē WHAT IS 0000 . 2,081.9 [81.96] P 0 দ্য ۲ А 150 [5.91] - 1,050 [41.34] -— 810 [31.89] — T A ¥ 520 [20.47] 690 [27.17] Ц 584 [22.99] -**-**d Ð 'Parabolt' ANCHOR (3/8" x 3.3/4") Ł + ¥_____ → Ø 9.5 (3/8") DETAIL B SCALE 1 : 2 106 [4.17] -**↓** 273.8 [10.78] **→** 4- 106 [4.17] SECTION A-A

Dimensions WEMOB® STATION

Notes

А







Notes	Notes	







WITH SUSTAINABILITY

For more than 50 years, WEG has been transforming energy into solutions. One of the global leaders in the production of electric machines and automation technologies for the industry and energy systems, WEG is ready for the electric mobility market with the launch of its electric vehicle charging stations.

> For WEG, technological innovation mainly means to develop new technologies, products and materials to increase efficiency, cut down costs, improve quality and reduce raw materials used in the products.

> > Thus, WEG becomes more competitive, gains new markets, keeps sustainable and contributes to the development of the planet.







Global presence is essential, as much as understanding your needs.

Global Presence

With more than 30,000 employees worldwide, WEG is one of the largest electric motors, electronic equipments and systems manufacturers. We are constantly expanding our portfolio of products and services with expertise and market knowledge. We create integrated and customized solutions ranging from innovative products to complete after-sales service.

WEG's know-how guarantees our WEMOB® line of electric vehicle charging stations is the right choice for your application and business, assuring safety, efficiency and reliability.

Availability is to have a global support network



Partnership is to create solutions that suit your needs



Competitive edge is to unite technology and innovation



Know More

High performance and reliable products to improve your production process.



Excellence is to provide a whole solution in industrial automation that improves our customers productivity.



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RIJEKA Marinići 199, 51216 Viškovo Tel. +385 51 223 633 Mail: info@astra-prom.hr

ZAGREB Rudarska cesta 11b, 10430 Samobor Tel. +385 1 424 2884 Mail: samobor@astra-prom.hr



📞 +55 47 3276.4000

🖂 automacao@weg.net

O Jaraguá do Sul - SC - Brazil

Cód: 50118441 | Rev: 00 | Data (m/y): 04/2022. The values shown are subject to change without prior notice. The information contained is reference values.