

# VIEGO



## Electric Vehicle Charging Systems

[www.viego.com.tr](http://www.viego.com.tr)

# COMPANY PROFILE

Viego is a company established in 2022 with a strong commitment to environmental sustainability. Our primary focus lies in the specialization of electric vehicle charging stations.

We are actively advancing our brand journey by incorporating cutting-edge charging technologies and promoting the widespread adoption of electric vehicles, with the ultimate goal of contributing to a better world.

# VIEGO



- **VERSATILE**
- **INTELLIGENT**
- **EFFICIENT**

# THE CONTENT

Charging Standards	03
Socket Standards	04
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CCS 2 Combo Connector Sets	33
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# CHARGING STANDARDS

There are four different standards accepted for ev charging systems.

## AC ON – BOARD

It is the name given to the system which the vehicle is controlling the current with the BMS (Battery Management System) on it.

**For Europe:** IEC 62196-2

**For USA:** SAE J1772

## DC OFF – BOARD

It is the system that the electricity is transferred directly to the battery without any current control system on the vehicle.

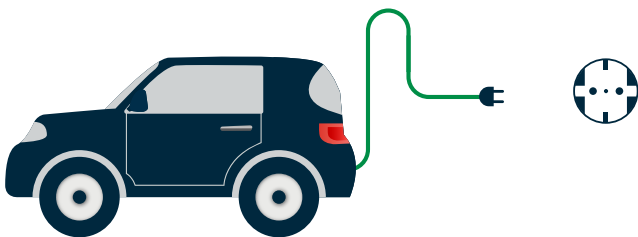
**For Far East and Japan:** CHAdeMO

**For Europe:** CCS Combo and IEC – 62196-2

# CHARGING MODES

## MODE 1

It is called charging vehicles by directly connecting them to the electrical grid.



## MODE 2

It is the charging of vehicles with AC mobile charging devices.



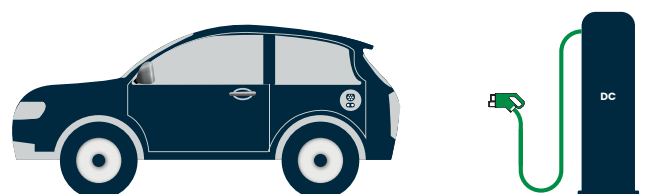
## MODE 3

It is the charging of vehicles with AC Stations.




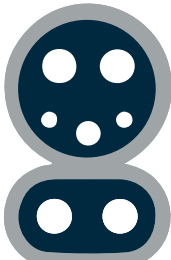



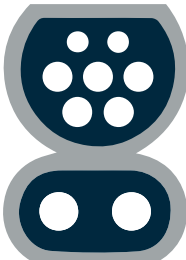


## MODE 4

It is the charging of vehicles with DC Stations.



# SOCKET STANDARDS

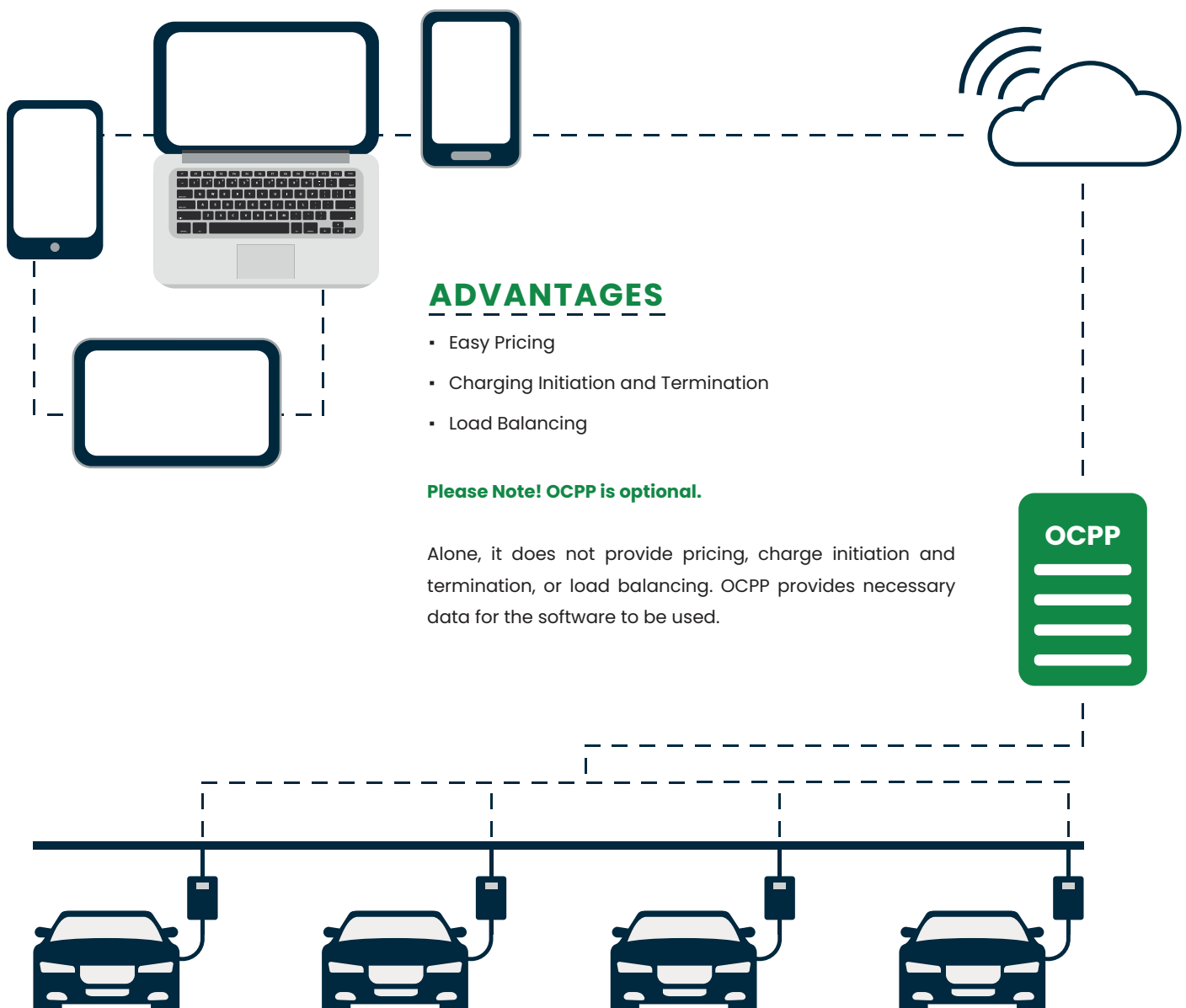
Electric vehicle charging socket standards are different in various parts of the world.

	AC	DC
North USA	 J1772 (TYPE 1)	 CCS 1
Japan	 J1772 (TYPE 1)	 CHAdeMO
Europe and rest of the world	 IEC 62196-2 (TYPE 2)	 CCS 2
China	 GB/T	 GB/T

# WHAT IS OCPP?

OCPP, which stands for **Open Charge Point Protocol**, is a communication protocol that enables charging stations and their central systems to communicate with each other.

Remote management enables data collection. This allows individual users and commercial operators to monitor the status of charging stations, troubleshoot issues, and perform updates remotely.







VIEGO




EV CHARGING STATION

# CHARGING STATIONS



It is designed for individual use. You can easily mount it anywhere you can use it at home, at work or individually, and charge your vehicle.



## TECHNICAL INFORMATION

Maximum Power	7,4 kW	11 kW	22 kW
Phase	Monophase	Threephase	
Assembly	Wall or straight surfaces		
Degrees of IP	IP 54		
Rated Voltage	200/250 V AC	380/415 V AC	
Rated Current	16A / 32A		
Operation Temp.	-40°C / +55°C		
Housing Material	PC + ABS		
Screen		Available	
RFID Card Option		Available	
OCPP option		Available	

## LIGHT FUNCTIONS

-  — **Green Led:** Main Supply is connected
-  — **Blue Led (weak):** Ready to charge
-  — **Blue Led (Bright):** EV is detected
-  — **Blue Led (Flashing):** EV is being charged
-  — **Red Led:** Fault

## PROTECTION SYSTEM

- Error Warning
- Over Current Protection
- Low Voltage Protection
- High Voltage Protection
- Over Temperature Protection
- Charging Status Detection
- RCD AC 30mA + DC 6mA

## ARTICLE NUMBERS

### MODE 3 / B

3532-500-0300	7,4 kW Monophase Charging Station
3516-600-0300	11 kW Threephase Charging Station
3532-600-0300	22 kW Threephase Charging Station

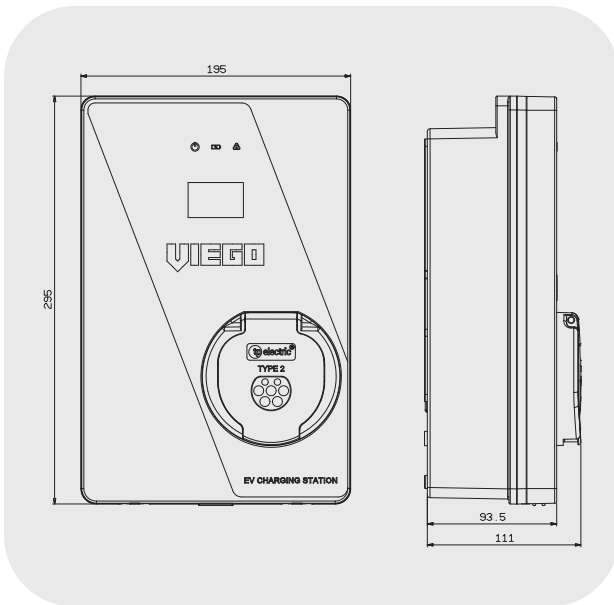
### MODE 3 / C

3532-125-0601	7,4 kW Monophase Charging Station
3516-335-0601	11 kW Threephase Charging Station
3532-345-0601	22 kW Threephase Charging Station



## DIMENSIONAL DRAWINGS

Thanks to its small size, it does not take up much space. So you can install it easily.



Mode 3/B



Mode 3/C



### Important Information:

Mode 3/B can be charged with a wired charging set (plug + extension socket) external to the vehicle.

See (Page 30)

# ACCESSORIES FOR STATIONS

You can choose some accessories to use the charging station in different environments.

For example; If you do not want to mount the station on the wall, it is recommended to use a pedestal.



## 1. PEDESTAL



## 2. CABLE HOLDER



## 3. CONNECTOR HOLDER





## 4. FEEDER BOX



Feeder Boxes contain the components that are essential for the operation of a charging station.

- Fuses
- Residual Current Device
- Surge Protection Device

## ARTICLE NUMBERS

### ACCESSORIES

<b>3500-000-0300</b>	Pedestal
<b>3590-001-0300</b>	Cable Holder
<b>3590-002-0300</b>	Connector Holder
<b>3532-000-0000</b>	Feeder Box

# STATION USE

Viego charging stations can be used individually in 3 different ways

1. **Plug and Power**
2. **Operate with RFID Card**
3. **Operate via Mobile App**

## 1. PLUG AND POWER

It is a model in which the station starts charging as soon as it is connected to the electric vehicle, without the need for any external object or application. This option is mostly recommended in cases where the device cannot be used by anyone else (the user has his own garage).

## 2. OPERATE WITH RFID CARD

The model **operates** with an RFID (Mifare) card, enabling users to initiate and **stop charging** via a personalized Mifare card. Installation is conducted with technical support from the service team.

Multiple RFID (Mifare) cards can be configured for use with a single station.



### 3. OPERATE VIA MOBILE APP

The model operates using the Viego application downloaded to a smartphone. The Viego mobile application can be downloaded to your smartphone for free, and it is used for:

- **Initiating charging**
- **Checking the charging status**
- **Viewing the amount of electricity consumed**
- **Ending the charging process**



### HOW TO USE?

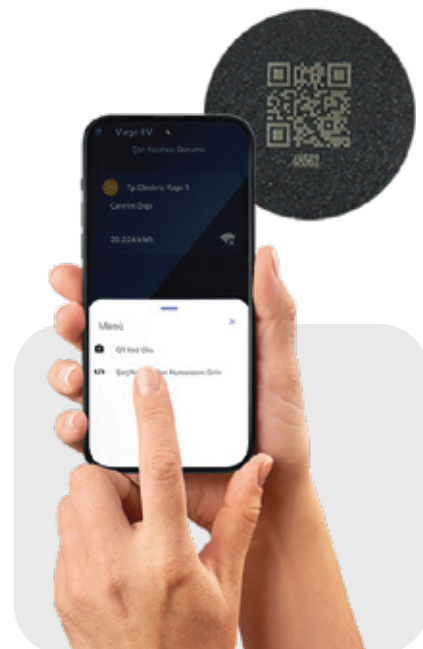
1- Download the Viego Application for Free from the Play Store or the App Store on your smartphone.

2- Connect the Device to the Wi-Fi Network through technical service assistance.

3- Log in to the application with the username and password provided by our technical service.

4- To start charging the vehicle, click on the "viego start" option and ensure that the charging socket connects to the vehicle within 30 seconds.

5- During the charging period, you can adjust the current settings and track the electricity consumption.







# FACILITY MANAGEMENT SOFTWARE

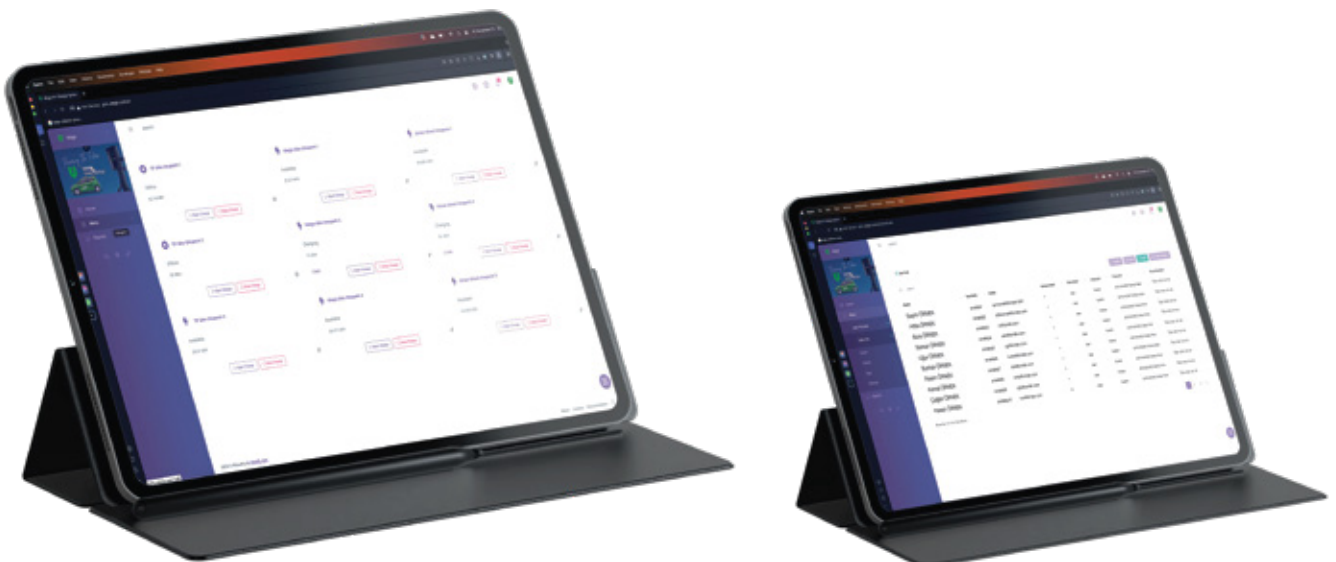
The "Facility Management Software" is developed for situations where stations are intended to be used collectively, such as hotels, residential complexes, restaurants, parking lots, and office buildings, providing solutions tailored to those environments.



## HOW TO USE?

With this software, for each user defined by the system administrator, **the consumed electricity amount can be viewed**, and based on this consumption, **cost distribution** can be made. After logging into the system with a username and password, a page like the following is seen:

Here, the current statuses of charging stations in all defined areas are displayed. Charging processes can be initiated and ended through this page.







# MOBILE CHARGERS

The power is with you with mobile chargers that allow you to charge your vehicle anywhere.

## TECHNICAL INFORMATION

Maximum Power	3,7 kW	7,4 kW	11 kW	22 kW
Phase	Monophase		Threephase	
Using Type	Mobile			
Degrees of IP	IP 67			
Rated Voltage	200/250 V AC		380/415 V AC	
Rated Current	16A / 32A			
Operation Temp.	-40°C / +75°C			
Housing Material	PA6 %30GF			
Cable Length	5 meters			
Cable Type	Type 2			

## PROTECTION SYSTEM

- Over Temperature Protection
- Overcurrent Protection
- Low Voltage Protection
- Surge protection
- Residual Current Protection
- Error Warning Protection

## ARTICLE NUMBERS

### MOBILE CHARGERS

<b>3516-415-0600</b>	3,7 kW Mobile Charger
<b>3532-425-0600</b>	7,4 kW Mobile Charger
<b>3516-435-0600</b>	11 kW Mobile Charger
<b>3532-445-0600</b>	22 kW Mobile Charger
<b>3532-495-0300</b>	11/22 kW Mobile Charger



## LIGHT FUNCTIONS

- Green Led:** Main Supply is connected
- Blue Led (weak):** Ready to charge
- Blue Led (Bright):** EV is detected
- Blue Led (Flashing):** EV is being charged
- Red Led:** Fault
- Red Led: (Flashing):** Fault caused by heating

## CAUSES OF FAULTS

**If the red light is constantly on, it may be one of the following errors.**

Earth fault or CP (Vehicle-device communication error)

**If the temperature exceeds 75 degrees, the following steps occur.**

- 1- Red light (blinks every 0.5ms)
- 2- Charging is paused until the temperature drops to 45 degrees
- 3- This situation can be repeated 4 times
- 4- After the 4th fault, the red light flashes every 0.1ms. In this case, check the electrical connection.

## 3,7 kW MOBILE CHARGER

**Article Number:** 3516-415-0600

**Ampere:** 6A - 16A

**Voltage:** 200/250 V AC

**Input Frequency:** 50/60 Hz

## Dimensions

**Width:** 91 mm

**Height:** 224 mm

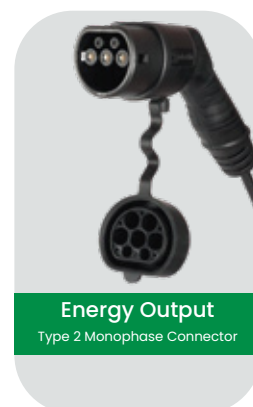
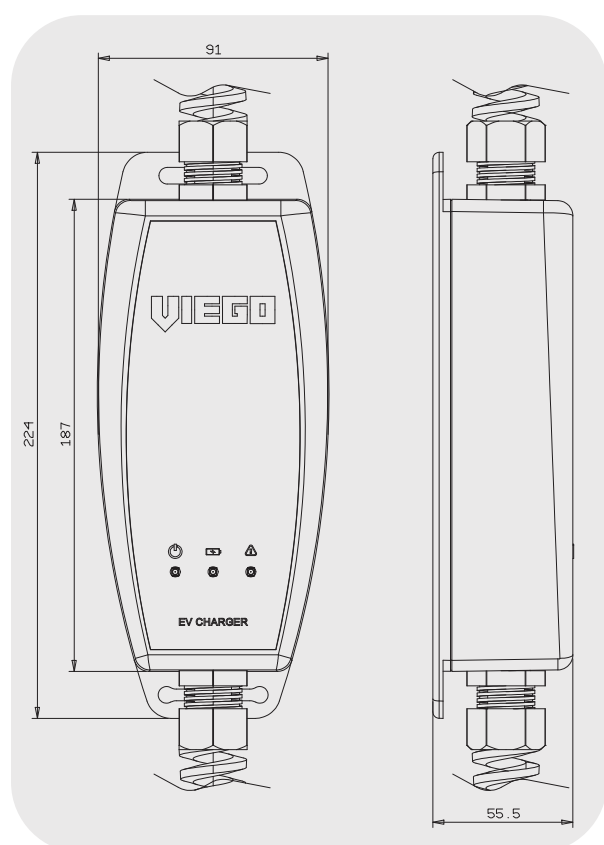
**Depth:** 55,5 mm

## Weight

Approximately 2,5 kg



## DIMENSIONAL DRAWINGS





# 7,4 kW MOBILE CHARGER

**Article Number:** 3532-425-0600

**Ampere:** 6A -32A

**Voltage:** 200/250 V AC

**Input Frequency:** 50/60 Hz

## Dimensions

**Width:** 92 mm

**Height:** 254 mm

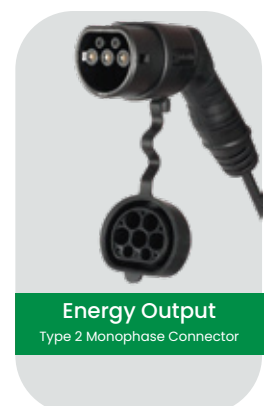
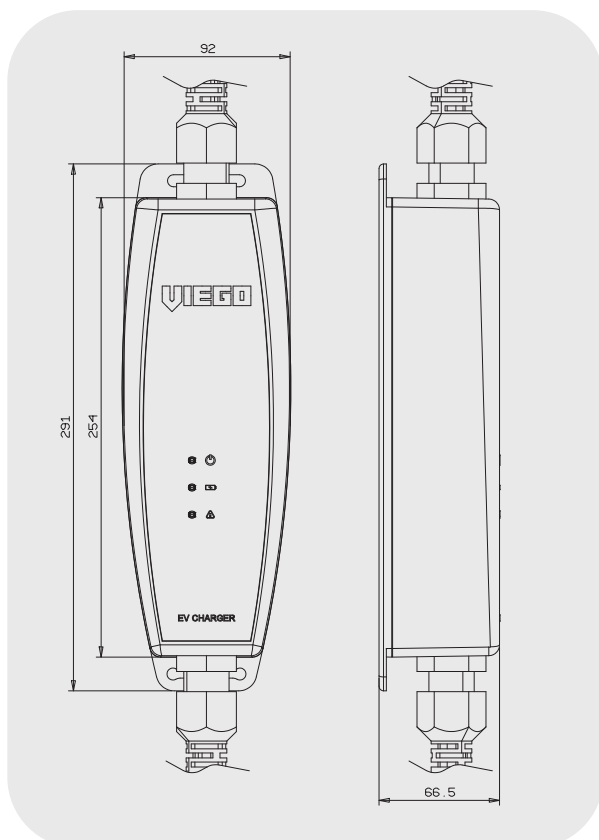
**Depth:** 66,5 mm

## Weight

Approximately 3,75 kg



## DIMENSIONAL DRAWINGS



# 11 kW MOBILE CHARGER

**Article Number:** 3516-435-0600

**Ampere:** 6A - 16A

**Voltage:** 380/415 V AC

**Input Frequency:** 50/60 Hz

## Dimensions

**Width:** 92 mm

**Height:** 254 mm

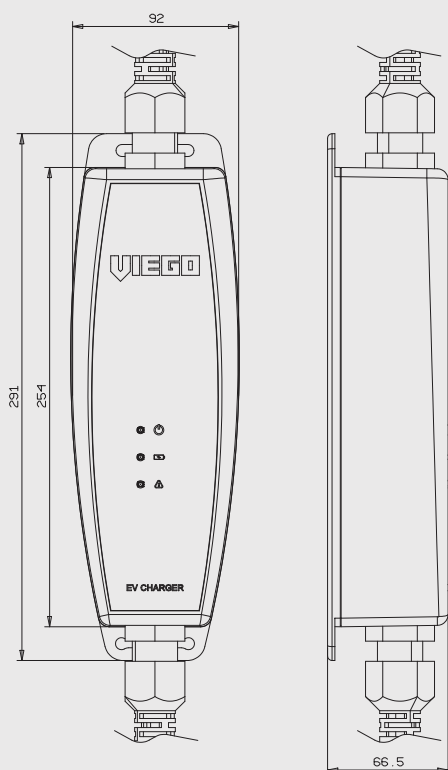
**Depth:** 66,5 mm

## Weight

Approximately 3,75 kg



## DIMENSIONAL DRAWINGS



**Energy Input**

5x16A CEE Norm Plug



**Energy Output**

Type 2 Threephase Connector

# 22 kW MOBILE CHARGER

**Article Number:** 3532-445-0600

**Ampere:** 6A – 32A

**Voltage:** 380/415 V AC

**Input Frequency:** 50/60 Hz

## Dimensions

**Width:** 92 mm

**Height:** 254 mm

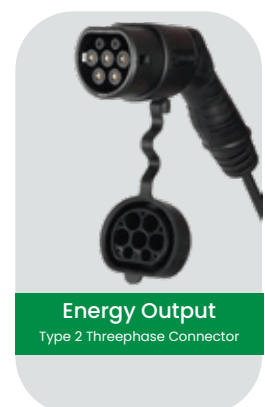
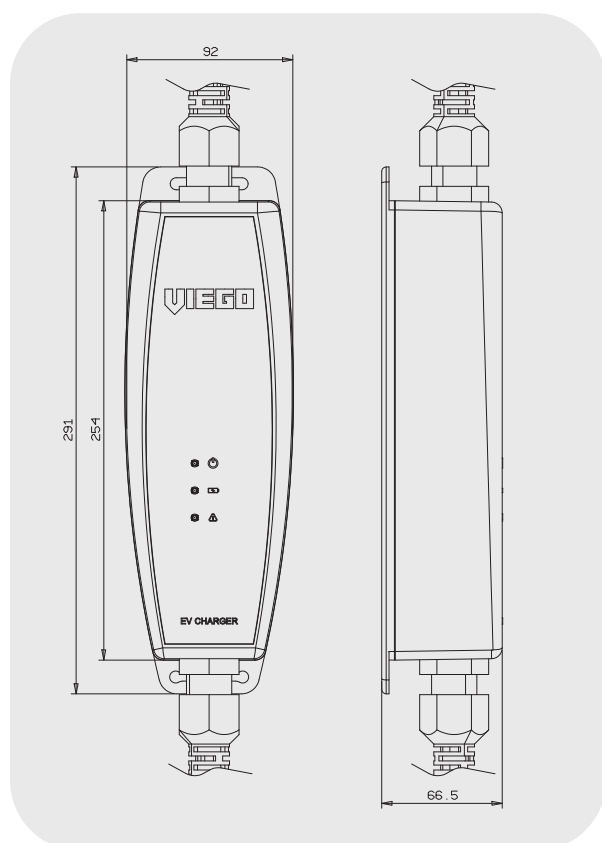
**Depth:** 66,5 mm

## Weight

Approximately 4,3 kg



## DIMENSIONAL DRAWINGS



# 11/22 kW MOBILE CHARGER

**Article Number:** 3532-495-0300

**Ampere:** 16A - 32A

**Voltage:** 380/415 V AC

**Input Frequency:** 50/60 Hz

## Dimensions

**Width:** 92 mm

**Height:** 254 mm

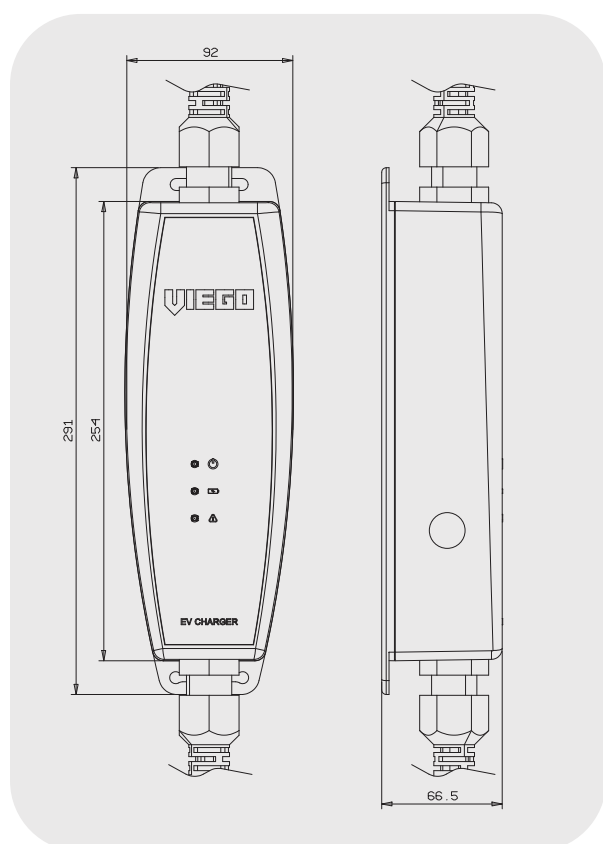
**Depth:** 66,5 mm

## Weight

Approximately 4,3 kg



## DIMENSIONAL DRAWINGS



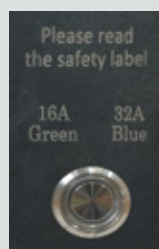
**Energy Input**

5x32A CEE Norm Plug



**Energy Output**

Type 2 Threephase Connector



**Switch Button**

16-32A

# ACCESSORIES

## FOR MOBILE CHARGERS

### 1. ADAPTERS



Adapters are a precaution against the possibility of not finding a "suitable socket" when using mobile chargers.

During your travels; It is recommended that you keep at least one adapter in your trunk so that you can charge your vehicle with mains sockets of different norms.



**Device Connection:**  
5x32A CEE Norm Connector

**Electrical Grid Con.:**  
1x16A Plug

**Article Number:**  
3590-100-0000



**Device Connection:**  
5x32A CEE Norm Connector

**Electrical Grid Con.:**  
5x16A CEE Norm Plug

**Article Number:**  
3590-150-0000



**Device Connection:**  
5x32A CEE Norm Connector

**Electrical Grid Con.:**  
3x16A CEE Norm Plug

**Article Number:**  
3590-140-0000



**Device Connection:**  
5x32A CEE Norm Connector

**Electrical Grid Con.:**  
3x32A CEE Norm Plug

**Article Number:**  
3590-160-0000

### 2. BAG FOR MOBILE CHARGERS



You can get rid of cable mess with bags that allow you to easily carry Mobile Chargers in the trunk of your car.

(Bags are not included, ordered externally)

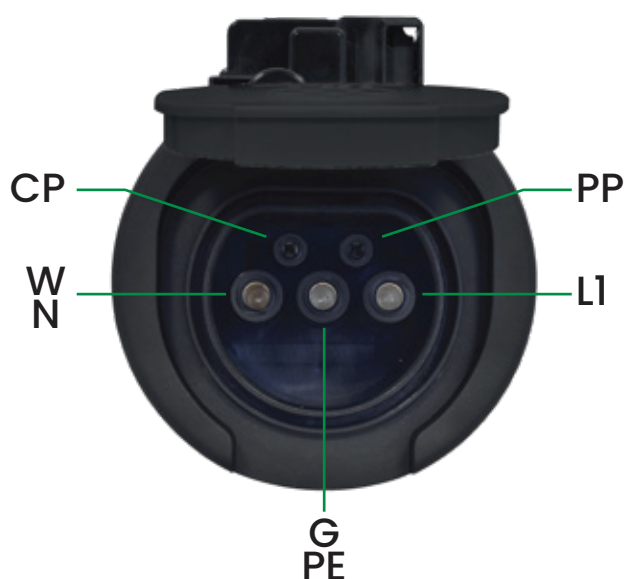


# CHARGING SOCKET (Version 1)

- IP 54 Protection Class
- Compatible IEC 62196-1/2 IEC 61851-1 Standards
- Type 2 (European Norm)
- Compatible with AC-ON Board charging system (Mode 3)
- Pack Unit: 1 Piece
- Ambient Operating Temperature: -30°C / +50°C



## MONOPHASE



## THREEPHASE



## ARTICLE NUMBERS

### MONOPHASE

<b>3500-110-0300</b>	16A GT Charger Socket Mono Phase
<b>3500-115-0300</b>	32A GT Charger Socket Mono Phase
<b>3500-117-0300</b>	63A GT Charger Socket Mono Phase

### THREEPHASE

<b>3500-310-0300</b>	16A GT Charger Socket Three Phase
<b>3500-315-0300</b>	32A GT Charger Socket Three Phase
<b>3500-317-0300</b>	63A GT Charger Socket Three Phase

TECHNICAL PARAMETERS

TECHNICAL INFORMATION

Number of Poles	2P+PE+PP+CP / 3P+N+PE+PP+CP
Rated Current	16A-32A-63A (CP,PP) 2A
Rated Voltage	250/480V (CP,PP) 30V
Insulation Voltage	500V
Mean Time to Failure	10.000 (No-load Operation)

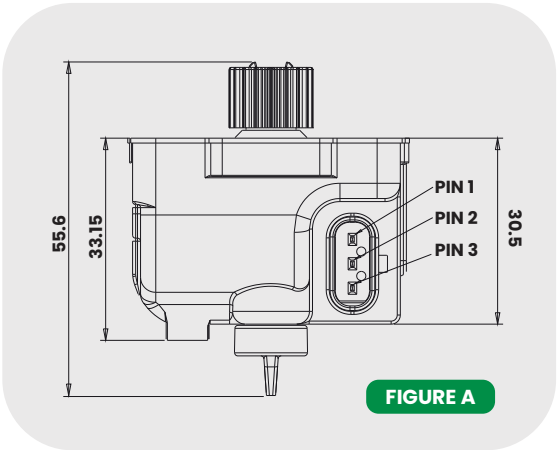
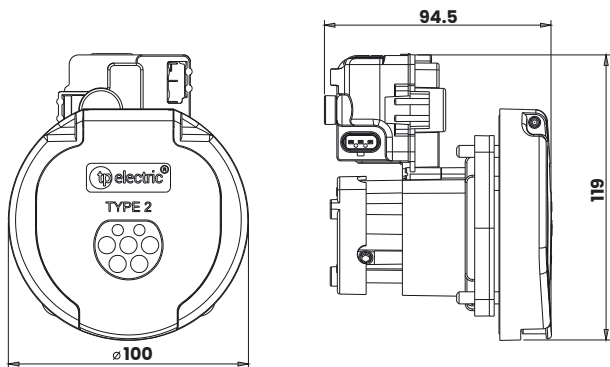
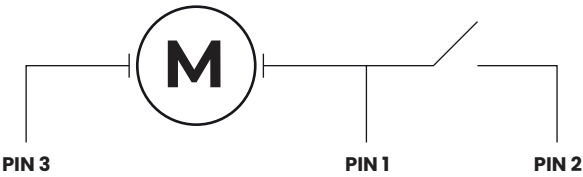
DESIGN

Contacts	Copper Beryllium + Silver Plated Brass (CuBe <sup>2</sup> )
Contact Plating	3 μm Silver Plated
Ral Code	RAL 9005
Enclosure Color	Black
Housing Material	PA6 / Strengthened thermo-shape material

ACTUATOR - INTERLOCKING SYSTEM

Pole Configuration	3p / PIN 1 "red (+/-)" PIN 2 "blue" (Feedback Signal) PIN 3 "black" (+/-)
Nominal Voltage	12V dc
Operating Voltage	9V + 15,5V dc
Max. Current Consumption	3,2A (Worst Case)
No Load Current	≤ 250mA
Actuating Time	40ms < t < 200ms (Voltage and operating temperature depending, not applicable for continuous power supply)
Stability of Stop Position	≤6°C (With hot-wired motor)
Operating Temp. Range	-30°C + 50°C
Lifetime	60.000 Switching Cycles in Total

FUNCTION	PIN 1	PIN 2
Unlocking	-	+
Interlocking	+	-



## TECHNICAL PARAMETERS

### TORQUE VALUES

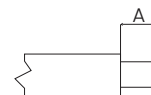
### CRIMP VALUES

<b>Terminals: PP , CP</b>	0,8 Nm (By Allen Screw)
<b>Terminals: L1, L2, L3, N, PE</b>	1,2 Nm (By slotted Head Screw)
<b>Assembly Nuts</b>	2,0 Nm (Metric 5 Nut)

Cable Stripping Length

A  
mm

A= Ferrule Length



CURRENT	PHASE	CROSS SECTION	1 PHASE	3 PHASE
16A	1	3	5x2,5 + 2x0,5	L1, N, PE: 18 CP, PP: 10
32A	1	3	5x6 + 2x0,5	L1, L2, L3, N, PE: 18 CP, PP: 10
63A	1	3	5x16 + 2x0,5	L1, L2, L3, N, PE: 18 CP, PP: 10

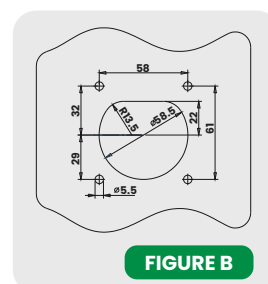
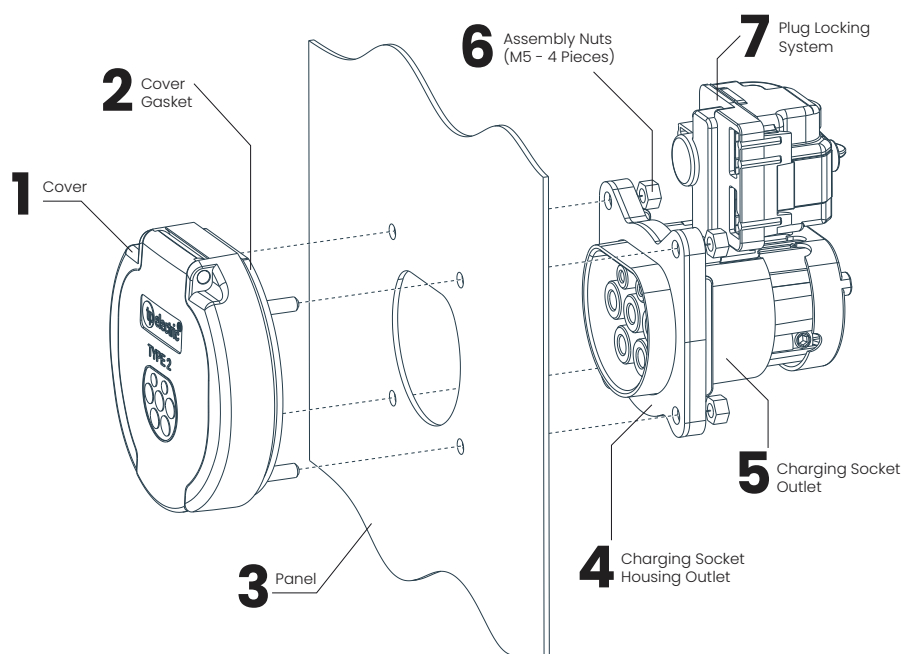


FIGURE B

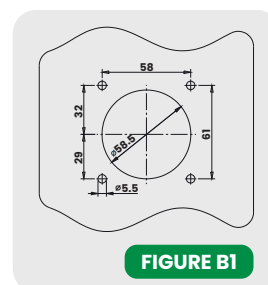


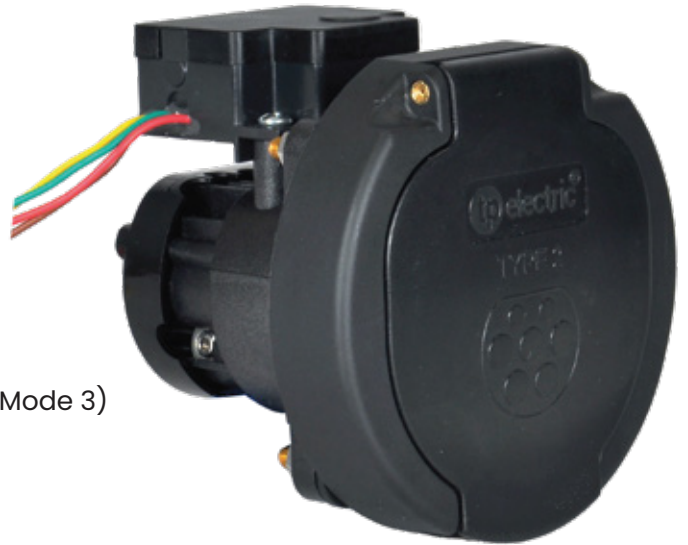
FIGURE B1

- 1- Unscrew the nuts (6) and separate the cover (1) from the charging socket body (5).
- 2- Drill the drain hole in the panel (3) according to one of the drawings in Figure B or B-1.
- 3- Insert the conductors into the marked connection openings on the contact carrier (basically: L1 = Brown / L2 = Black / L3 = Gray / N = Blue / PE = Green-Yellow / CP = Red / PP = White) It is recommended to use insulated ferrules. Torque values per table are given above.
- 4- Place the cover (1) with the cover gasket (2) onto the panel (3) from the outside.
- 5- Fix the charging socket body (5) together with the charging socket body gasket (4) to the cover (1) from the inside of the panel (3) using nuts (6).
- 6- Connect the motor of the locking system according to Figure A.



# CHARGING SOCKET (Version 2)

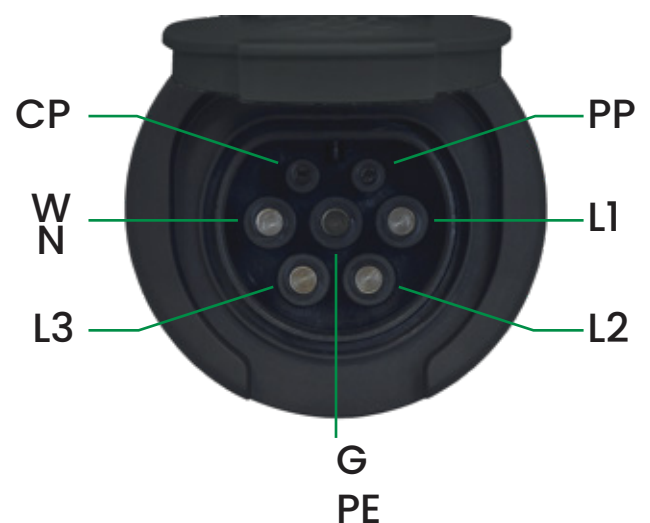
- IP 54 Protection Class
- Compatible IEC 62196-1/2 IEC 61851-1 Standards
- Type 2 (European Norm)
- Compatible with AC-ON Board charging system (Mode 3)
- Pack Unit: 1 Piece
- Ambient Operating Temperature: -30°C / +50°C



## MONOPHASE



## THREEPHASE



## ARTICLE NUMBERS

### MONOPHASE

3500-111-0300	16A GT Charger Socket Mono Phase
3500-116-0300	32A GT Charger Socket Mono Phase
3500-118-0300	63A GT Charger Socket Mono Phase

### THREEPHASE

3500-311-0300	16A GT Charger Socket Three Phase
3500-316-0300	32A GT Charger Socket Three Phase
3500-318-0300	63A GT Charger Socket Three Phase

TECHNICAL PARAMETERS

TECHNICAL INFORMATION

Number of Poles	2P+PE+PP+CP / 3P+N+PE+PP+CP
Rated Current	16A-32A-63A (CP,PP) 2A
Rated Voltage	250/480V (CP,PP) 30V
Insulation Voltage	500V
Mean Time to Failure	10.000 (No-load Operation)

MOTOR

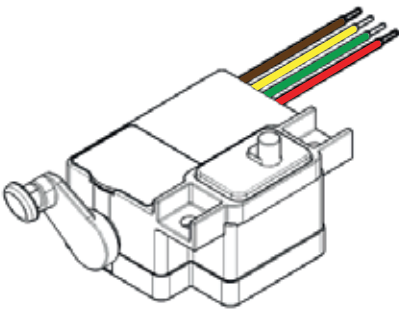
Operating Voltage	9 ~ 16 V dc
Nominal Voltage	14 V dc
Operating Temperature	-40°... +90°
Max. Locking / Unlocking Time	< 600 ms
Cable Length	500 mm
IP Level	IP 69
Lifetime	100.000 Cycles
Self Locking Function	Available
Freewheel Function for Emergency Release	Available
Max. Current Consumption	9 ~ 16 V dc

DESIGN

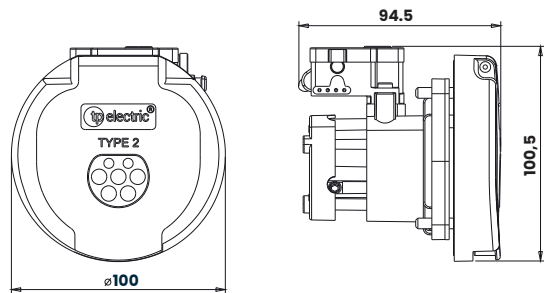
Contacts	Copper Beryllium + Silver Plated Brass (CuBe²)
Contact Plating	3 µm Silver Plated
Ral Code	RAL 9005
Enclosure Color	Black
Housing Material	PA6 / Strengthened thermo-shape material

OUTPUT SIGNAL

Unlocking	∞ k Ω
Locking	0 k Ω

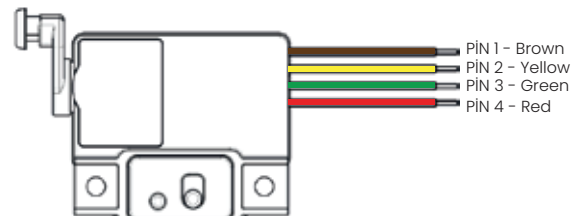
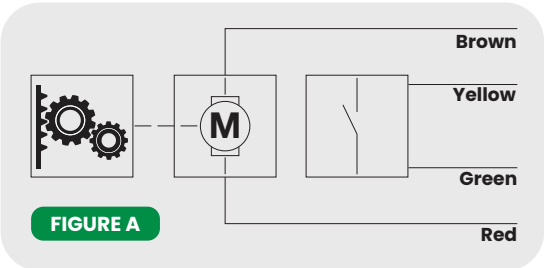


MOTOR CONNECTION



Motor Contact	- PIN 1	Brown
Position Feedback	K1 - PIN 2	Yellow
Position Feedback	K2 - PIN 3	Green
Motor Contact	+ PIN 4	Red

Locking motor has four wires and needs to be connected as follows:  
B: Yellow R: Green + Brown W: Red





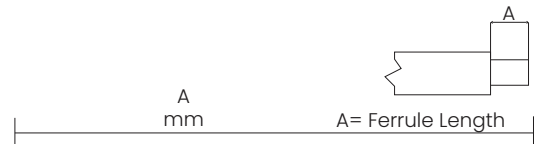
## TECHNICAL PARAMETERS

### TORQUE VALUES

### CRIMP VALUES

<b>Terminals: PP, CP</b>	0,8 Nm (By Allen Screw)
<b>Terminals: L1, L2, L3, N, PE</b>	1,2 Nm (By Slotted Head Screw)
<b>Assembly Nuts</b>	2,0 Nm (Metric 5 Nuts)

Cable Stripping Length



CURRENT	PHASE		CROSS SECTION	1 PHASE	3 PHASE
16A	1	3	5x2,5 + 2x0,5	L1, N, PE: 18 CP, PP: 10	L1, L2, L3, N, PE: 18 CP, PP: 10
32A	1	3	5x6 + 2x0,5	L1, N, PE: 18 CP, PP: 10	L1, L2, L3, N, PE: 18 CP, PP: 10
63A	1	3	5x16 + 2x0,5	L1, N, PE: 18 CP, PP: 10	L1, L2, L3, N, PE: 18 CP, PP: 10

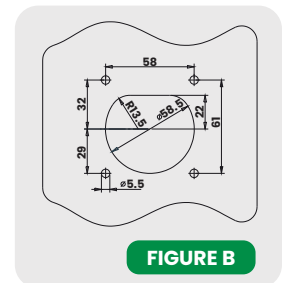
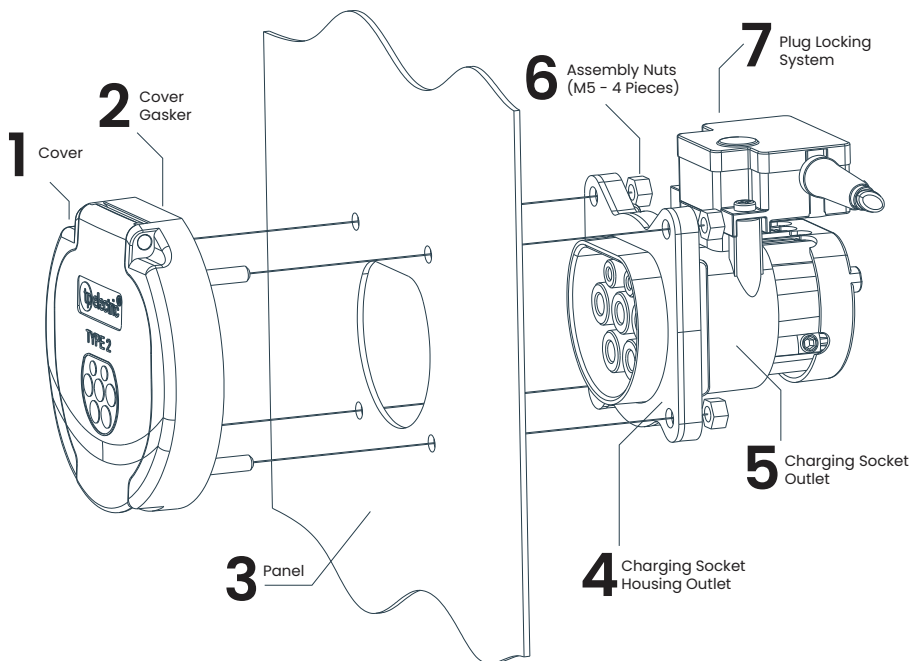


FIGURE B

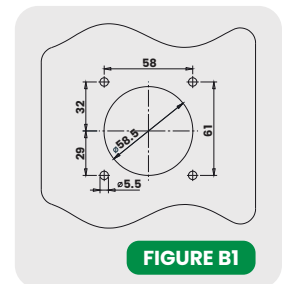


FIGURE B1

- 1- Unscrew the nuts (6) and separate the cover (1) from the charging socket body (5).
- 2- Make the drain hole on the panel (3) according to one of the drilling drawings in Figure B or B-1.
- 3- Insert the conductors into the marked connection openings on the contact carrier (basically: L1 = Brown / L2 = Black / L3 = Gray / N = Blue / PE = Green-Yellow / CP = Red / PP = White) It is recommended to use insulated ferrules. Torque values per table are given in Table-1.
- 4- Place the cover (1) with the cover gasket (2) onto the panel (3) from the outside.
- 5- Fix the charging socket body (5) together with the charging socket body gasket (4) to the cover (1) from the inside of the panel (3) using nuts (6).
- 6- Connect the motor of the locking system according to Figure A.





# CHARGING CABLE SETS

- IP 44 Protection Class
- 5 and 8 meters options
- Compliant for Mode 3 charge system
- Type 2 (European Norm)



## MONOPHASE

## THREEPHASE

PLUG			
CONNECTOR			

## ARTICLE NUMBERS

### MONOPHASE

<b>3520-155-0600</b>	20A Connector Charge Set (5 mt Cable)
<b>3520-158-0600</b>	20A Connector Charge Set (8 mt Cable)
<b>3520-165-0600</b>	20A Plug + Connector Charge Set (5 mt Cable)
<b>3520-168-0600</b>	20A Plug + Connector Charge Set (8 mt Cable)
<b>3532-155-0600</b>	32A Connector Charge Set (5 mt Cable)
<b>3532-158-0600</b>	32A Connector Charge Set (8 mt Cable)
<b>3532-165-0600</b>	32A Plug + Connector Charge Set (5 mt Cable)
<b>3532-168-0600</b>	32A Plug + Connector Charge Set (8 mt Cable)

### THREEPHASE

<b>3520-355-0600</b>	20A Connector Charge Set (5 mt Cable)
<b>3520-358-0600</b>	20A Connector Charge Set (8 mt Cable)
<b>3520-365-0600</b>	20A Plug + Connector Charge Set (5 mt Cable)
<b>3520-368-0600</b>	20A Plug + Connector Charge Set (8 mt Cable)
<b>3532-355-0600</b>	32A Connector Charge Set (5 mt Cable)
<b>3532-358-0600</b>	32A Connector Charge Set (8 mt Cable)
<b>3532-365-0600</b>	32A Plug + Connector Charge Set (5 mt Cable)
<b>3532-368-0600</b>	32A Plug + Connector Charge Set (8 mt Cable)

## PRODUCT OPTIONS

### CONNECTOR CHARGE SET

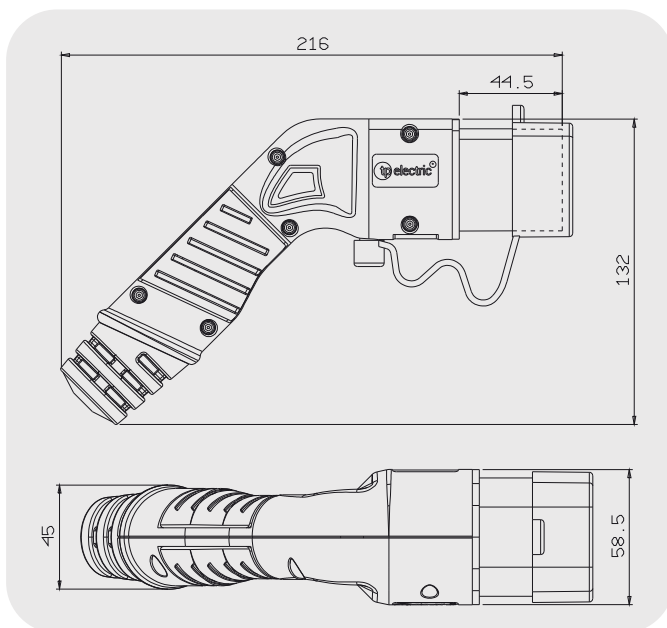


### PLUG + CONNECTOR CHARGE SET

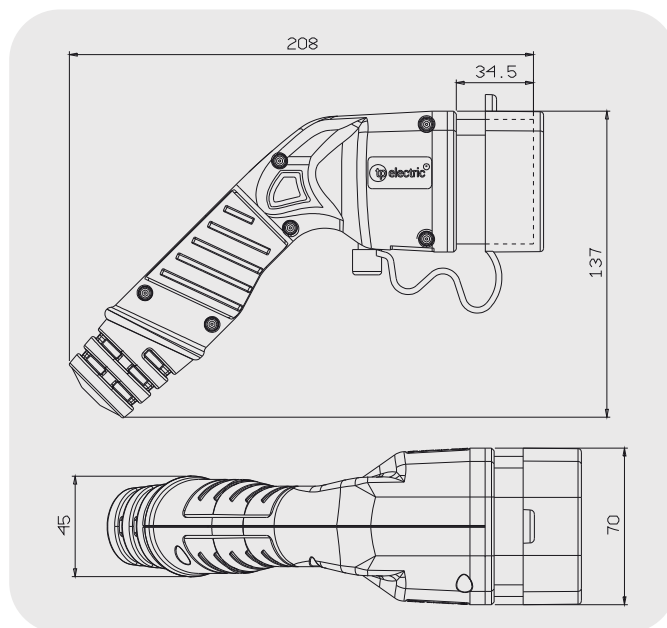


## DIMENSIONAL DRAWINGS

### PLUG



### CONNECTOR



## BAG FOR CABLE SETS



You can get rid of cable mess with bags that allow you to easily carry Mobile Chargers in the trunk of your car.

(Bags are not included, ordered externally)

# CABLE

## INFORMATIONS

### CHARGING CABLES FOR ELECTRIC VEHICLES

(According to EN 50620)

#### TECHNICAL INFORMATION

##### CONDUCTOR

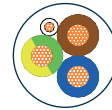
<b>Material</b>	Bare Annealed Copper
<b>Construction</b>	Circular, Flexible, According to EN 60228 class 5.

##### INSULATION

<b>Material</b>	Halogen Free compound type EVI-2 to EN 50620
-----------------	--

##### IDENTIFICATION

<b>3 Core + Pilot</b>	blue – brown – yellow/green + white
<b>5 Core + Pilot</b>	blue – brown – black – grey – yellow/green + white



3G 2,5 mm<sup>2</sup> + 1x0,5 mm<sup>2</sup>  
3G 6 mm<sup>2</sup> + 1x0,5 mm<sup>2</sup>



5G 2,5 mm<sup>2</sup> + 1x0,5 mm<sup>2</sup>  
5G 6 mm<sup>2</sup> + 1x0,5 mm<sup>2</sup>

Pitch: < 20 x Ø overassembling

#### 1 Phase – 20A Max. Capacity: 3,7 kW

<b>Resistance</b>	680 Ω
<b>Cable Variant</b>	3x2.5 + 1x0.5 mm <sup>2</sup>
<b>Cable Colour</b>	Black
<b>Cable Dia (Ø)</b>	11 mm

#### 3 Phase – 20A – Max. Capacity: 11 kW

<b>Resistance</b>	680 Ω
<b>Cable Variant</b>	5G2.5 + 1x0.5 mm <sup>2</sup>
<b>Cable Colour</b>	Black
<b>Cable Dia (Ø)</b>	13 mm

#### 1 Phase – 32A – Max. Capacity: 7,4 kW

<b>Resistance</b>	220 Ω
<b>Cable Variant</b>	3G6 + 1x0.5 mm <sup>2</sup>
<b>Cable Colour</b>	Black
<b>Cable Dia (Ø)</b>	14 mm

#### 3 Phase – 32A – Max. Capacity: 22 kW

<b>Resistance</b>	220 Ω
<b>Cable Variant</b>	5G6 + 1x0.5 mm <sup>2</sup>
<b>Cable Colour</b>	Black
<b>Cable Dia (Ø)</b>	17 mm





# CCS 2 COMBO CONNECTOR SETS



- IP 44 Protection Class
- Compatible with DC charging system (MOD-4)
- Compliant with IEC 62196-3 standards
- European Norm
- Pack Unit: 1 Piece
- Operating Temperature:  $-30^{\circ}\text{C}$  /  $+50^{\circ}\text{C}$

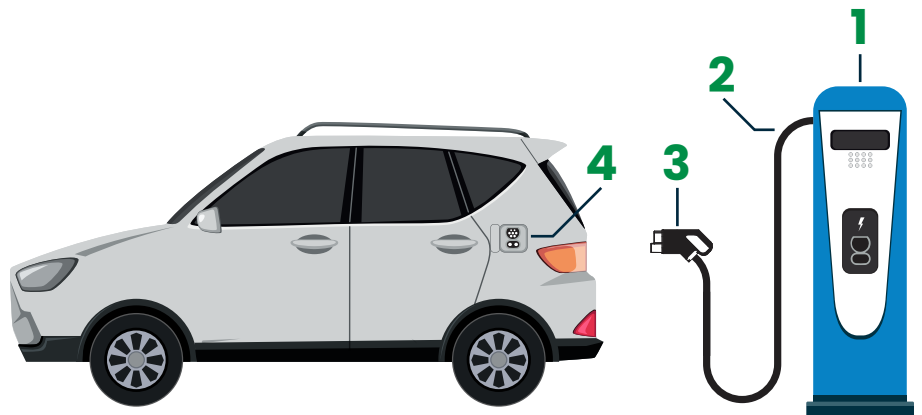
**This charging connector can only be used when connected to a DC (Direct Current) charging station.**

1- DC Charging Station

2- Charging Cable

3- CCS 2 Combo Connector

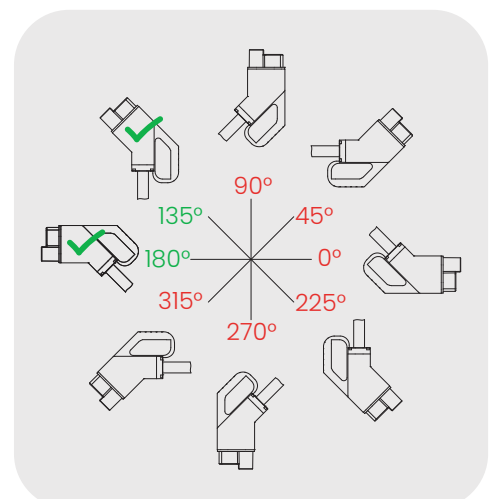
4- Electric Vehicle Charging Plug



## ARTICLE NUMBER

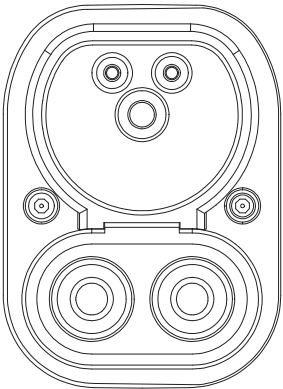
### CCS 2 COMBO CONNECTOR SETS

<b>3532-045-0300</b>	40A CCS 2 Combo Connector Set
<b>3532-085-0300</b>	80A CCS 2 Combo Connector Set
<b>3532-255-0300</b>	250A CCS 2 Combo Connector Set
<b>3532-405-0300</b>	400A CCS 2 Combo Connector Set



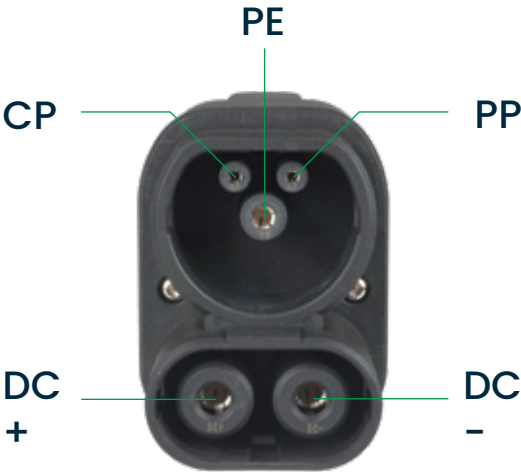
DESIGN

Contacts	Copper Beryllium + Silver Plated (CuBe²)
Contact Plating	5 µm Silver Plated
Housing Color	Black
Housing Material	PA6 %30GF
Cable Length	5 meters

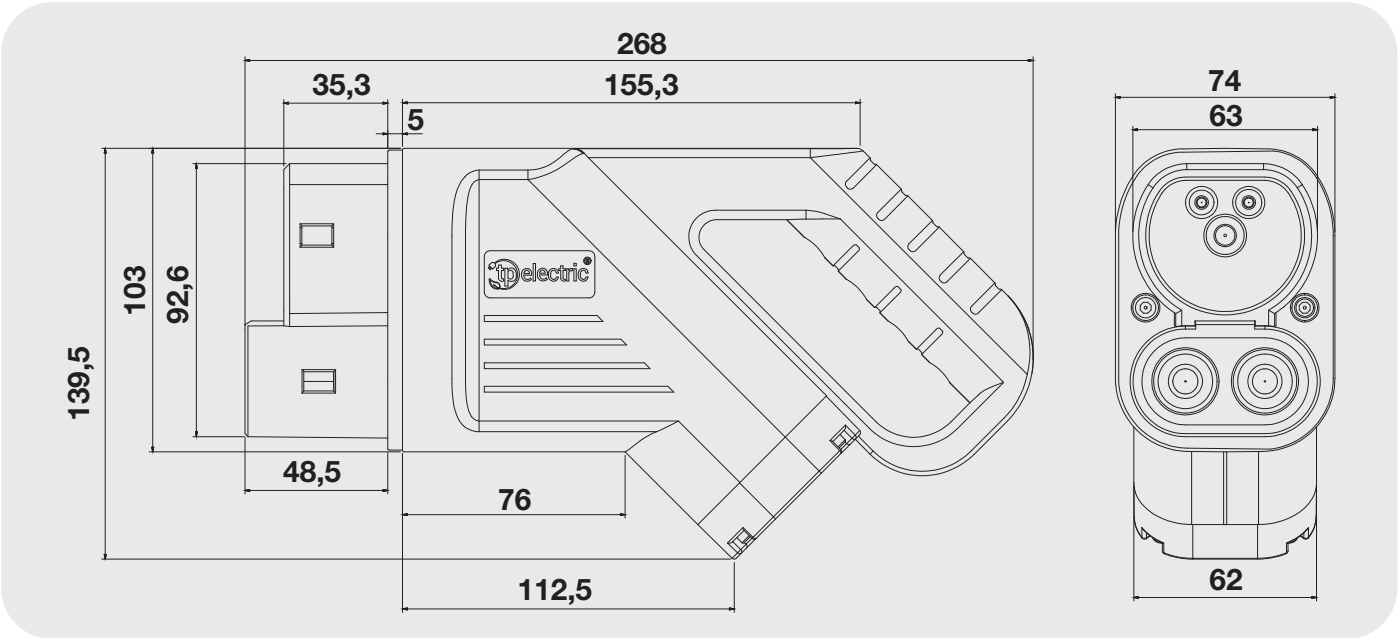


CONTACT INFORMATION

Rated Current		40A	80A	250A	400A
DC +	RD	6 mm²	16 mm²	70 mm²	2x50 mm²
DC -	BK	6 mm²	16 mm²	70 mm²	2x50 mm²
PE	GN YE	6 mm²	16 mm²	35 mm²	25 mm²
CP	BN	0,75 mm²			
PP	GY	0,75 mm²			
TEMPSENSOR1	BU + OG	0,75 mm² + 0,75 mm²			
TEMPSENSOR2	WH + VT	0,75 mm² + 0,75 mm²			

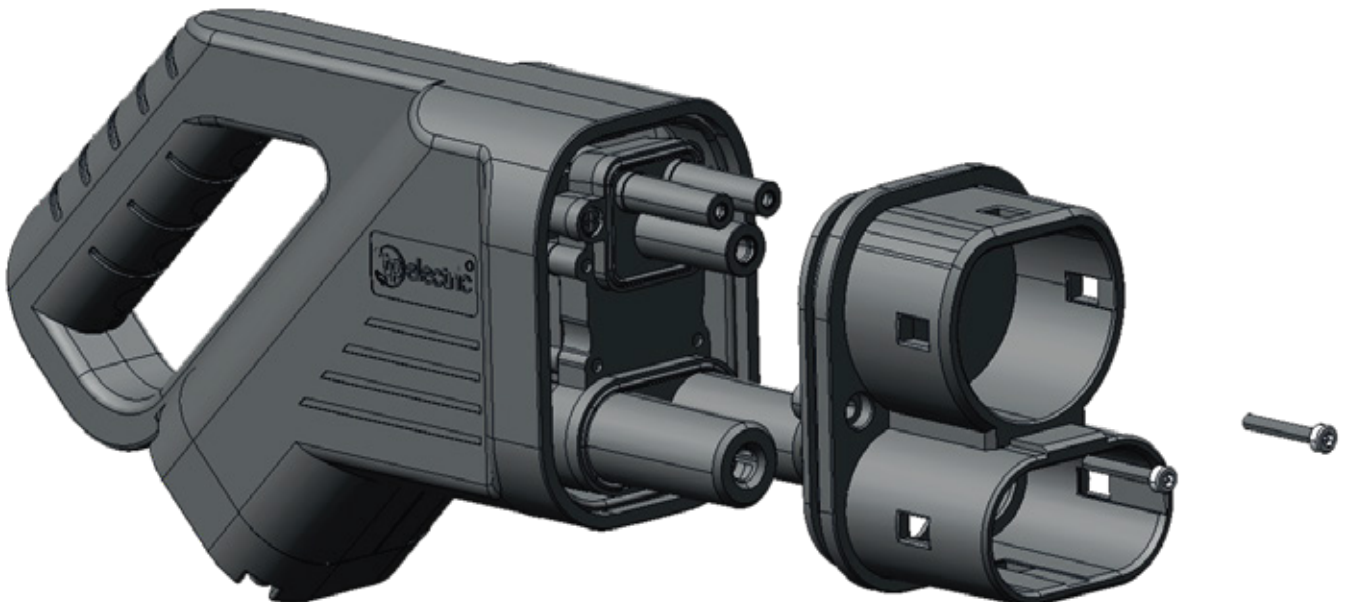


DIMENSIONAL DRAWINGS



## TECHNICAL INFORMATION

<b>Charge Mode</b>	Mode 4			
<b>Rated Current</b>	<b>40A</b>	<b>80A</b>	<b>250A</b>	<b>400A</b>
<b>Rated Voltage</b>	1000 V DC			
<b>Conductor Cross Sections</b>	3x6 mm <sup>2</sup>	3x16 mm <sup>2</sup>	2x70 + 1x35 mm <sup>2</sup>	4x50 + 1x25 mm <sup>2</sup>
<b>Conductor Signal Sections</b>	3x2x0,75 mm <sup>2</sup>	3x2x0,75 mm <sup>2</sup>	3x2x0,75 mm <sup>2</sup>	3x2x0,75 mm <sup>2</sup>
<b>Cable Outer Diameter</b>	14,9 (+/- 0,4 mm)	21,3 (+/- 0,4 mm)	32 (+/- 0,4 mm)	36,5 (+/- 0,5 mm)
<b>Resistance Between PE &amp; PP</b>	1500 ohm			
<b>Operating Temperature</b>	-30°C + 50°C			
<b>Contact Configuration</b>	3(DC + DC + PE)			
<b>Plug-in &amp; Plug-out Cycle</b>	>10.000 No-Load Operation			
<b>Plug-in &amp; Plug-out Force</b>	<100 N			
<b>Protection Class</b>	IP 44 (When plugged in a vehicle or station) - IP 20 (When not plugged anywhere)			
<b>Temperature Sensor Type</b>	Pt 1.000 (DIN EN 60751)			
<b>Recom. Measurment Cur.</b>	1mA (1V, 0 C)			
<b>Temp. Sensor Tolerance</b>	(+/- 1 K)			
<b>Temperature Range</b>	-50°C +130°C			
<b>Temperature Coefficient</b>	3.850 ppm/K			
<b>Shutdown Temperature</b>	(+90°C) (Pt 1.000: 1.270,8 ohm)			



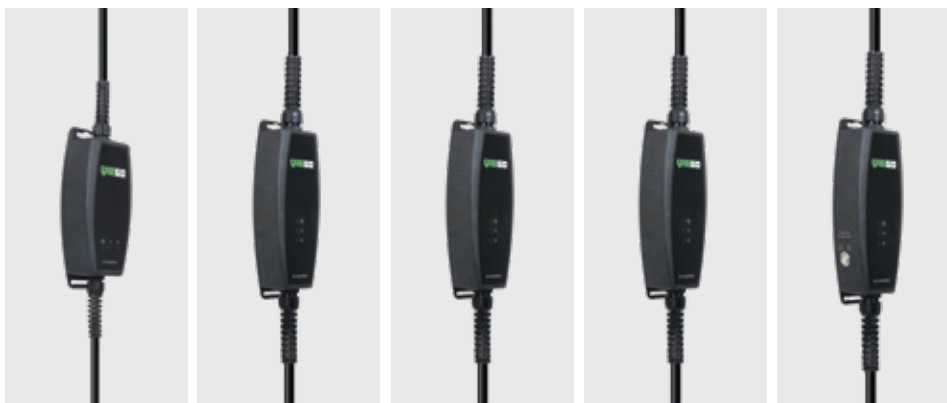
# SUMMARY

## TABLE

CHARGING STATIONS							
		Mode B			Mode C		
GENERAL INFORMATIONS	Article Number	3532-500-0300	3516-600-0300	3532-600-0300	3532-125-0601	3516-335-0601	3532-345-0601
	Maximum Power	7,4 kW	11 kW	22 kW	7,4 kW	11 kW	22 kW
	Phase	Monophase	Threephase	Threephase	Monophase	Threephase	Threephase
	Rated Voltage	200/250V AC	400V AC	400V AC	200/250V AC	400V AC	400V AC
	Rated Current	32A	16A	32A	32A	16A	32A
	Connector Type	Type 2	Type 2	Type 2	Type 2	Type 2	Type 2
	Dimensions	195 x 295 x 79,5	195 x 295 x 79,5	195 x 295 x 79,5	195 x 295 x 79,5	195 x 295 x 79,5	195 x 295 x 79,5
	Weight	Approx. 3 kg	Approx. 3 kg	Approx. 3 kg	Approx. 3,7 kg	Approx. 3,7 kg	Approx. 3,8 kg
	Protection Class	IP 54	IP 54	IP 54	IP 54	IP 54	IP 54
	Screen	Avaliable	Avaliable	Avaliable	Avaliable	Avaliable	Avaliable
	RFID	Avaliable	Avaliable	Avaliable	Avaliable	Avaliable	Avaliable
	OCPP	Avaliable	Avaliable	Avaliable	Avaliable	Avaliable	Avaliable
	Housing Material	PC + ABS	PC + ABS	PC + ABS	PC + ABS	PC + ABS	PC + ABS
	Cable Length	-	-	-	5 Meters	5 Meters	5 Meters
OPERATING	Temperature	-40°C / +55°C	-40°C / +55°C	-40°C / +55°C	-40°C / +55°C	-40°C / +55°C	-40°C / +55°C
	Humidity Resist.	95%	95%	95%	95%	95%	95%
	Altitude	0 - 2.000 m.	0 - 2.000 m.	0 - 2.000 m.	0 - 2.000 m.	0 - 2.000 m.	0 - 2.000 m.
STORAGE	Temperature	-40°C / +55°C	-40°C / +55°C	-40°C / +55°C	-40°C / +55°C	-40°C / +55°C	-40°C / +55°C
	Humidity Resist.	95%	95%	95%	95%	95%	95%
	Altitude	0 - 5.000 m.	0 - 5.000 m.	0 - 5.000 m.	0 - 5.000 m.	0 - 5.000 m.	0 - 5.000 m.



# MOBILE CHARGERS



## MOBILE CHARGERS

GENERAL INFORMATIONS	Article Number	3516-415-0600	3532-425-0600	3516-435-0600	3532-445-0600	3532-495-0300
	Maximum Power	3,7 kW	7,4 kW	11 kW	22 kW	11 / 22 kW
	Phase	Monophase	Monophase	Threephase	Threephase	Threephase
	Rated Voltage	200/250V AC	200/250V AC	400V AC	400V AC	400V AC
	Rated Current	16A	32A	16A	32A	16 / 32A
	Connector Type	Type 2	Type 2	Type 2	Type 2	Type 2
	Dimensions	91 x 224 x 55,5	92 x 254 x 66,5	92 x 254 x 66,5	92 x 254 x 66,5	92 x 254 x 66,5
	Weight	Approx. 2,5 kg	Approx. 3,75 kg	Approx. 3,75 kg	Approx. 4,3 kg	Approx. 4,3 kg
	Protection Class	IP 67	IP 67	IP 67	IP 67	IP 67
	Degree of IK	IK 10	IK 10	IK 10	IK 10	IK 10
	Housing Material	PA6 30%GF	PA6 30%GF	PA6 30%GF	PA6 30%GF	PA6 30%GF
	Cable Length	5 Meters	5 Meters	5 Meters	5 Meters	5 Meters
	Cable Type	(EVI- 2) / Type 2	(EVI- 2) / Type 2	(EVI- 2) / Type 2	(EVI- 2) / Type 2	(EVI- 2) / Type 2
	warning Notice	Red Led	Red Led	Red Led	Red Led	Red Led
OPERATING	Temperature	-40°C / +55°C	-40°C / +55°C	-40°C / +55°C	-40°C / +55°C	-40°C / +55°C
	Humidity Resist.	95%	95%	95%	95%	95%
	Altitude	0 - 2.000 m.	0 - 2.000 m.	0 - 2.000 m.	0 - 2.000 m.	0 - 2.000 m.
STORAGE	Temperature	-40°C / +55°C	-40°C / +55°C	-40°C / +55°C	-40°C / +55°C	-40°C / +55°C
	Humidity Resist.	95%	95%	95%	95%	95%
	Altitude	0 - 5.000 m.	0 - 5.000 m.	0 - 5.000 m.	0 - 5.000 m.	0 - 5.000 m.



Let's Reduce  
**Carbon Footprint**



## Contact Us

P : +90 232 880 90 01

E : [info@viego.com.tr](mailto:info@viego.com.tr)

M : +90 533 741 46 86

w : [www.viego.com.tr](http://www.viego.com.tr)



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