

hei

solar light

EN

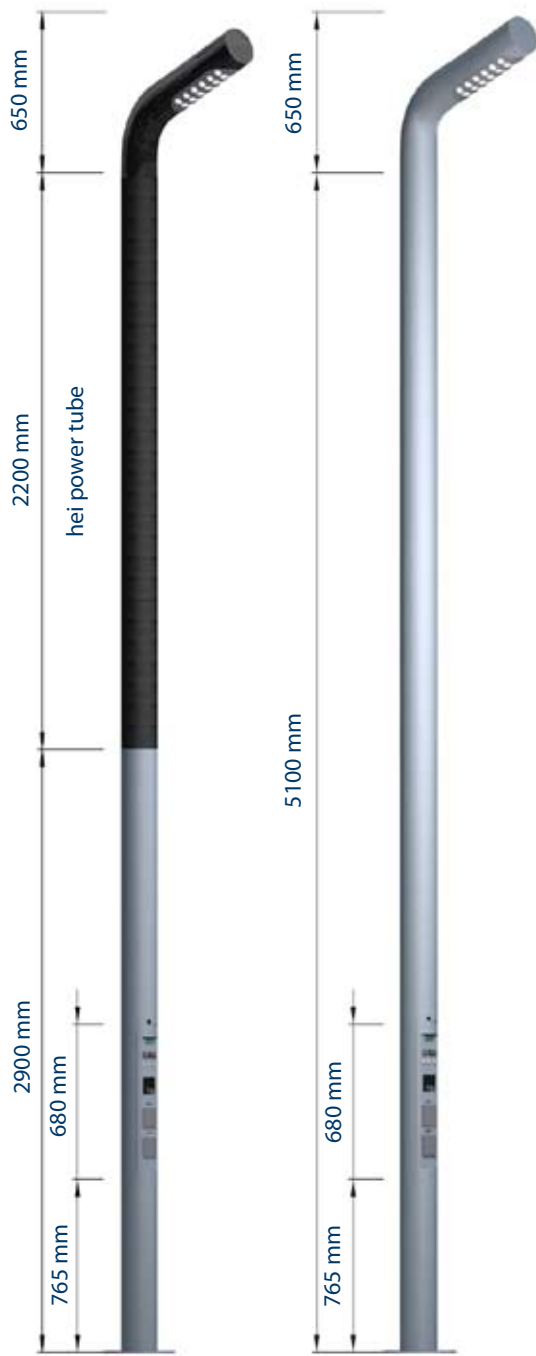


technical
data

charging station

hei power
charger

dimensions



mira charger solar mira charger



pole



solo

hei power charger is a multi-functional charging station offering a simple and easy way to charge electric vehicles.

hei power charger features state-of-the-art technology with either two 230V 50Hz sockets or one 230V socket and one 400V/50Hz socket.

Due to its slim and compact design hei power charger can be perfectly integrated into the professional street light mira 190, or can be mounted on to existing light poles, or to a wall at a garage (model solo).

If the hei power charger is connected to the grid of street lights, the installation costs can be significantly reduced.

mira charger solar is additionally equipped with an integrated photovoltaic module offering a self sufficient LED-light for environment-friendly solutions.

The combination of a professional solar exterior lighting system and a vehicle charging station represents an economical solution guaranteeing a brisk development in the vehicle-charge infrastructure.

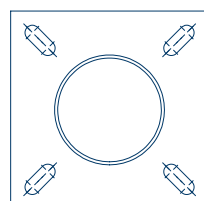
The hei power charger is available as:

- mira charger solar – model with solar powered LED-lighting system
- mira charger – model with grid connected LED-lighting system
- pole – model without lighting, stand-alone solution
- solo – model without lighting, designed for wall or pole installation

pole versions

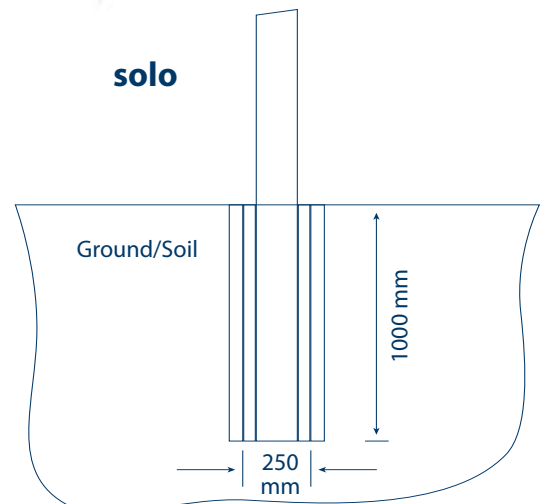
Ground plate

square : 330 x 330 x 25 mm
 round: Ø 350 mm (model pole)
 hole spacing: 200-250 mm



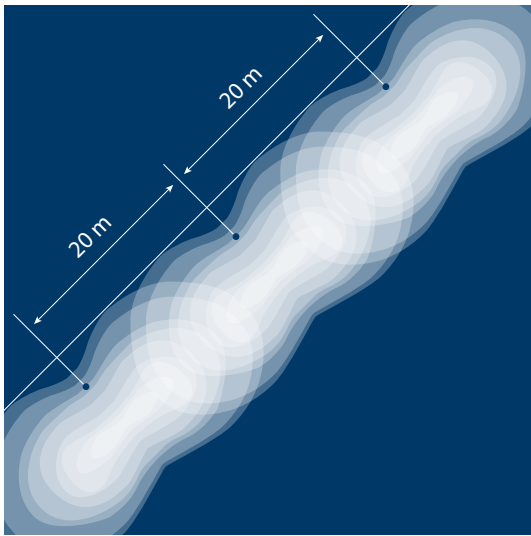
Pipe foundation

concrete pipe
 inner diameter: 250 mm
 installation depth: 1000 mm



installation example

Light distribution: lengthwise aligned Light spot height: 5.50 m



illuminance

36 LEDs / 3,600 at full operation path-width: 7 m

distance [m]	area [m ²]	E _{av} [lx]	E _{min} [lx]
10	60	27	13
15	90	18	8.4
20	120	15	5.5
25	150	11	3.1
30	180	8.8	1.7
40	240	6.6	0.6
50	300	5.3	0.3

E_{av} [lx]: average illuminance

E_{min} [lx]: minimum illuminance

Illuminance in operation depending on local site conditions (average daylight available) and customer-specific lighting times.

features & benefits

hei power charger

- Unique – world-wide first street light with integrated charging station
- Aesthetic – slim and compact design
- Space-saving – integration into existing infrastructure
- Open cashless system – access via money card
- Energy-saving LED-lighting (model mira)

operators

- Economic – low investment and transaction costs
- Demand-Response capacity – shifting of electrical loads
- Control of charging stations through GPRS-connection
- Robust and sturdy – metal housing
- Variable rates – time based or consumption based

customers

- GPS – navigation to vacant charging station
- Plug and charge (identification of customer via: Cell phone, plug with integrated RFID-chip or RFID-card)
- Control of charging process via SMS and web
- SMS notification about charging process

options

- Without payment system (payment system can be retrofitted)
- With payment system on basis of ATM, credit cards, PayBox, RFID, etc.
- RCBO with selfclosing
- Individual color designs (RAL code)
- 120V, US-version



technical data

hei power charger	model	data
power source	PC 230	1-phase, 230 V / 2x16A or 1x32A / 7.4 kVA
	PC 400	3-phase, 400 V / 32 A / 26 kVA
meters	PC 230	2 x AC-meter (MID-approval)
	PC 400	1 x AC-meter (MID-approval) 1 x three-phase AC-meter (MID-approval)
charging socket	PC 230	2 x safety plug / 16A / 3.7 kVA, IP44; IEC60309-1
	PC 400	1 x safety plug / 16A / 3.7 kVA, IP44; IEC60309-1 1 x CEE / 32 A / 22 kVA, IP44; EN 60309-1
payment	PC 230/400	maestro, bank-, credit card, RFID, Pay-Box, mobile phone, without payment system (payment system can be retrofitted)
charging fees	PC 230/400	flexible (time or kWh)
LED light/illumination	PC 230/400	equals model mira 190 pole & solo: 1W, LED Ring, RGB (option)
display	PC 230/400	LCD, green, 2 x 16 dgts.
EMV	PC 230/400	EN 61000-3-2:2006, EN 60950-1
protection rating (exteriors)	PC 230/400	IP44, IEC 60529
operator protection	PC 230/400	30 mA, IEC 60364, EN61815-1:2001
ambient conditions	PC 230/400	temperature - 30° C to + 60° C , moisture 95 %
certification	PC 230/400	CE, EN 61851-1 : 2001 „B“

general data	
diameter	180 mm
pole	galvanized steel, painted (optional: stainless steel, aluminum)
standard color	RAL 9006, white aluminum
assembly	suspension device / pipe foundation / ground plate
weight	25/45/130 kg

