

# Fast charging station for electric vehicles

## SPEEDY CHARGER SKY 100 R55

Electric cars are no longer the future, but became the presence and charging from the socket is the fuel of tomorrow.

Electric vehicles are considered to be one of the solutions with respect to the environment, because produce no emissions. And we have the solution for customers and owners of electric vehicles, electric bikes and electric scooters. Introducing modern, stylish Fast-charging station, yet unique of its kind, for charging all kind of battery vehicles.

Charging is easy enough. Use the charging cable to simply connect the vehicle to the charging station. You can fully or partially recharge vehicle as needed. Recharge depends on the vehicle and the type of battery.

Fast charging will be comparable to the fuelling from the petrol station. An advantage is that it can be installed in any environment. It is suitable for fleets, owner of petrol stations, shopping centers, etc.

### Specification

- Fast charging
- Elegant design
- Modular system
- Integrated communication
- Light indication
- Insulated power module; customer is protected; electrical safety
- AC and DC charging modes
- Intelligent charging
- **IP 44 or IP 54 protection**

### For operator:

- Integrated and intelligent solution for electric vehicle charging
- Modification upon request
- Installation and service
- Remote system control
- Error reports and service request via SMS and e-mail
- Optional security camera

### For customer:

- Fast and safe charging
- Simple, efficient and easily controllable system
- Maximal total safety for customer and electric vehicle
- Intuitive and easily usable graphical user interface
- Easily accessible
- Allows charging of all electric vehicles including cars, bikes and scooters
- Maximum charging cost selection



# TECHNICAL PARAMETERS

## INPUT

Voltage	3x 230/400 V ±10 %
Frequency	50/60 Hz
Maximal current	160 A
Maximal power	110 kVA
PF	For maximal power > 0,95

## DC OUTPUT

Maximal power	> 100 kW
Maximal current	250 A
Output voltage	50 - 500 V

## SAFETY AND ELECTRIC SPECIFICATION

Efficiency	> 95 %
Short circuit protection	Yes
Overvoltage protection	Yes
El. isolated AC/DC Output	Yes
Total stop button	Yes
Safety	Isolation transformer Control wire
Charging protocol	CCS (Combo 2) CHAdeMO
AC sockets	MENNEKES 400 V, 32 A

## SPECIFICATION

Dimensions (H x W x D)	1800 x 1050 x 500 mm
Weight	290 kg
Protection	IP44 or IP54
Cooling medium	Air

## ENVIROMENTAL VARIABLES

Temperature	-25 °C to +40 °C
Maximal humidity	90 %, without condensation

## CERTIFICATION

General certifications	Yes
CHAdeMO + Cobmo2	Yes

## USER INTERFACE

Screen	10.2" Graphic touch display
Button	Stop button
Charging information	Battery status Elapsed and remaining time Actual voltage and current Transferred energy Total cost
Interactive menu	Language selection Maximal charging cost Receipt printing (optional)

## COMMUNICATION

RFID (optional)	ISO 14443 Type A
Standard interfaces	RS-232, RS-485, CAN
Ethernet (optional)	GSM/GPRS or LAN

## PAYMENT SYSTEM (OPTIONAL)

Credit cards	VISA Master Card
Contactless credit cards	Yes
Receipt	Yes

## SECURITY (OPTIONAL)

Security	CMOS camera
Alarm	Sound and light alarm

## NEXT TYPES

SP. CHARGER SKY 200 R55	DC 200 kW, max. 2x250 A
SP. CHARGER SKY 50 R55	DC 50 kW, max. 125 A

**We can modify charging station upon customer request.**

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