



## EV FAST CHARGING SOLUTION

### Slim 100

#### Features

- 100 kW charging station for space critical applications
- Simultaneous DC charging (2 x 50 kW)
- Dynamic energy management minimizing the charging time
- Different authentication (RFID, optional Credit card)
- Compact design with low foot print & height (0.9 m x 0.44 m / 1.6 m)
- New 25 kW rectifier supports up to 1000 V
- Accessibility according DIN 18040



# Forward-Looking EV Infrastructure

## Accept the challenges of next- generation EV with Slim 100

Our 100 kW Slim platform provides the convenience of a single station installation with the flexibility of charging up to three cars at the same time. Two charge points are available for DC quick charging up to 100 kW, and one charge point is available for AC charging up to 22 kW. This maximizes the individual charge rates depending on the vehicle, reducing vehicle wait times and dynamically adjusting to secure grid connection point. 100 kW Slim platform is the perfect choice for space critical applications in cities, parking areas or when there are maximum height limitations.

### Feature Highlights



#### Efficient Charging Service

- Simultaneous Charging up to three vehicles
- Dynamic Load Distribution
- 95.5% Power Efficiency
- Prepared to support ISO 15118

#### Charging Standard

- CHAdeMO up to 62.5 kW
- CCS up to 100 kW
- AC Type 2 socket up to 22 kW
- Choice of plug standard

**Protection**  
IP 55, IK10

**Network Connectivity**  
Ethernet, Cellular 2.5G / 3G / 4G



#### Complete System Integration

- Network Connectivity
- Backend Compatibility
- Energy Management
- Interoperability with EV

#### Accessibility

According DIN 18040

#### User Authentication

Credit card, RFID reader, ISO 15118



#### Optimal Operation

- All-Weather Outdoor Design
- Low Lifecycle Cost
- High Availability Service
- Germany Eichrecht Conformity

### Application Scenario

#### Charging Network

- Commercial areas
- Parking Lot
- Service Station
- Logistics companies
- Urban traffic hubs

#### Back Office

EV Charging Network Management System



#### Applications

Energy Management

Membership Management

Site / Building Management

... and more

# Specifications

Input		
AC Connection	3-Phase, L1, L2, L3, N, PE, dual AC feed	
AC Voltage	400 V <sub>RMS</sub> (L-L) ± 10 %	
Frequency	50 / 60 Hz	
Nominal Current	185 A <sub>RMS</sub> at maximum output power	
Power Factor / THD	0.99 / 2.7 %	
Mains Terminal	Terminal blocks	
Transient OVP	Class II / C protection	
Output		
DC Output Voltage Range	200 V to 1000 V <sub>DC</sub>	
Maximum Current	250 A <sub>DC</sub> at 400 V <sub>DC</sub>	
Maximum Power	up to 100 kW <sub>DC</sub>	
Cable Length / Reach Distance	5.8 m / 5.5 m	
Protection	Over current, Under voltage, Over voltage, Short circuit, Ground and Isolation monitoring	
User Interface & Control		
Display	7 inch LCD	
Supported Languages	English (Up to 4 additional languages available on request)	
Keypad	5 buttons	
Local Authentication	RFID and NFC Credit card terminal option	
Network Interface	Ethernet, Cellular, 2.5 G / 3 G / 4 G	
Protocol	Back-end system with OCPP 1.5 and 1.6 integration Optional separate service interface with power and load energy management through Modbus TCP	
Environmental		
Operating Temperature	Operating from -25 °C to +50 °C	
Storage Temperature	-40 °C to +80 °C	
Humidity	< 95% relative humidity, non-condensing	
Altitude	2000 m	
Mechanical		
Ingress Protection	IP55	
Enclosure Protection	IK10 according to IEC 62262	
Cooling	Forced air	
Dimension (H x W x D) / Weight *	1616 x 892 x 444 mm / 200 kg*	
Regulation		
Certificate	IEC 61851-1, IEC 61851-21-2, IEC 61851-22, IEC 62479, IEC 61851-23	
EMC	EN 55011, IEC 61851-21-2	
Accessibility	DIN 18040	
DC Charging Points		
	CCS	CHAdeMO
Rating cable and connector	250A <sub>DC</sub>	125A <sub>DC</sub> / 500V DC
Compliance	IEC 61851-23 / -24, IEC 62196-3, DIN 70121	IEC 61851-23 / -24, JEVS G 105, Rev. 1.2 compliant
AC Charging Point		
Nominal AC Voltage	400 V <sub>RMS</sub>	
At 22 kW charging point	3 x 32 A <sub>RMS</sub> at 22 kW	
Protections	RCD Type A + 6mA DC sensor	
Compliance AC socket 22kW	IEC 62196-2 Mode 3, Type 2	

\*The weight of the unit may vary based on configuration. Dimension and weight including charging connectors, subject to variants. Product outlook depends on configuration.

Specifications are subject to change without notice.



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