



## DC Charger / SLIM 100

### EV Charging Solution

#### Features

- 100 kW charging station for space critical applications
- Compact design with low foot print & height (0.9 m × 0.44 m / 1.6 m)
- 2 × 50 kW simultaneous DC charging
- Supports up to 920 VDC
- Dynamic energy management minimizing the charging time
- RFID and optional credit card authentication
- Accessibility according DIN 18040



# Forward-Looking EV Infrastructure

## Address the challenges of next generations EVs with the SLIM 100

The SLIM 100 offers a maximum power output of 100 kW and includes rectifiers with 97% power efficiency. It provides simultaneous charging of up to three vehicles and offers the convenience of both DC and AC charging.

With its ability to provide 100 kW of power in one cabinet, it is an ideal solution for space critical applications, as its footprint is 55% smaller than other products that offer the same level of power. This makes it well-suited to commercial applications, parking lots, service stations and urban traffic hubs where installation space can be limited.

## Feature Highlights



### Efficient Charging Service

- Simultaneous charging up to three vehicles
- Dynamic load distribution
- 97% power efficiency on rectifier level
- 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

### User Authentication

Credit card, RFID reader,  
Prepared for ISO 15118-2

**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 to DIN 18040

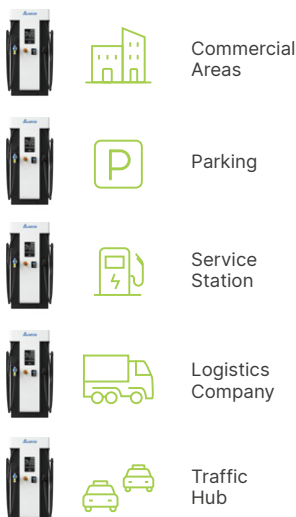


### Optimal Operation

- All-weather outdoor design
- Space-saving installation
- Low lifecycle cost
- High availability service
- Barrier-free access
- Eichrecht under conformity assessment

## Application Scenario

### Charging Network

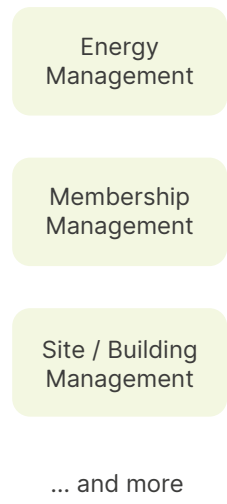


### Backend Office

EV Charging Network  
Management System



### Applications



## Specifications

Model Name		
<b>Input</b>		
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	203 A <sub>RMS</sub> at maximum output power	
Power Factor / THDu	0.99 / 1 %	
Mains Terminal	Screw terminal / Terminal blocks	
Transient OVP	Class II / C protection	
<b>Output</b>		
DC Output Voltage Range	200 V to 920 V <sub>DC</sub>	
Maximum Current	250 A <sub>DC</sub> at 500 V <sub>DC</sub>	
Maximum Power	up to 100 kW <sub>DC</sub>	
Cable Length / Reach Distance	5 m / 4.8 m	
Protection	Over current, Under voltage, Over voltage, Short circuit, Ground and Isolation monitoring	
<b>User Interface &amp; Control</b>		
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	
<b>Environmental</b>		
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	
<b>Mechanical</b>		
Ingress Protection	IP55	
Enclosure Protection	IK10 on the enclosure, IK08 on the display according to IEC 62262	
Cooling	Forced air	
Dimension (H × W × D)	1616 × 892 × 444 mm	
Weight *	200 kg*	
<b>Regulation</b>		
Certificate	IEC 61851-1, IEC 61851-22, IEC 62479, IEC 61851-23	
EMC	EN 55011, IEC 61851-21-2	
Accessibility	DIN 18040	
<b>DC Charging Points</b>		
	<b>CCS</b>	<b>CHAdeMO</b>
Rating cable and connector	250 A <sub>DC</sub>	125 A <sub>DC</sub> / 500 V <sub>DC</sub>
Compliance	IEC 61851-23 / -24, IEC 62196-3, DIN 70121	IEC 61851-23 / -24, JEVS G 105, Rev. 1.2 compliant
<b>AC Charging Point</b>		
Nominal AC Voltage	400 V <sub>RMS</sub>	
At 22 kW charging point	3 × 32 A <sub>RMS</sub> at 22 kW	
Protections	RCD Type B 30mA	
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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