



EV Charging Solution

DC Charger / SLIM 100

- 100 kW fast charging up to 97 % efficiency
- Compact footprint for space critical applications
- User-friendly design, accessible to everyone



Commercial
Areas



Parking



Service
Station



Logistics
Company



Traffic
Hub

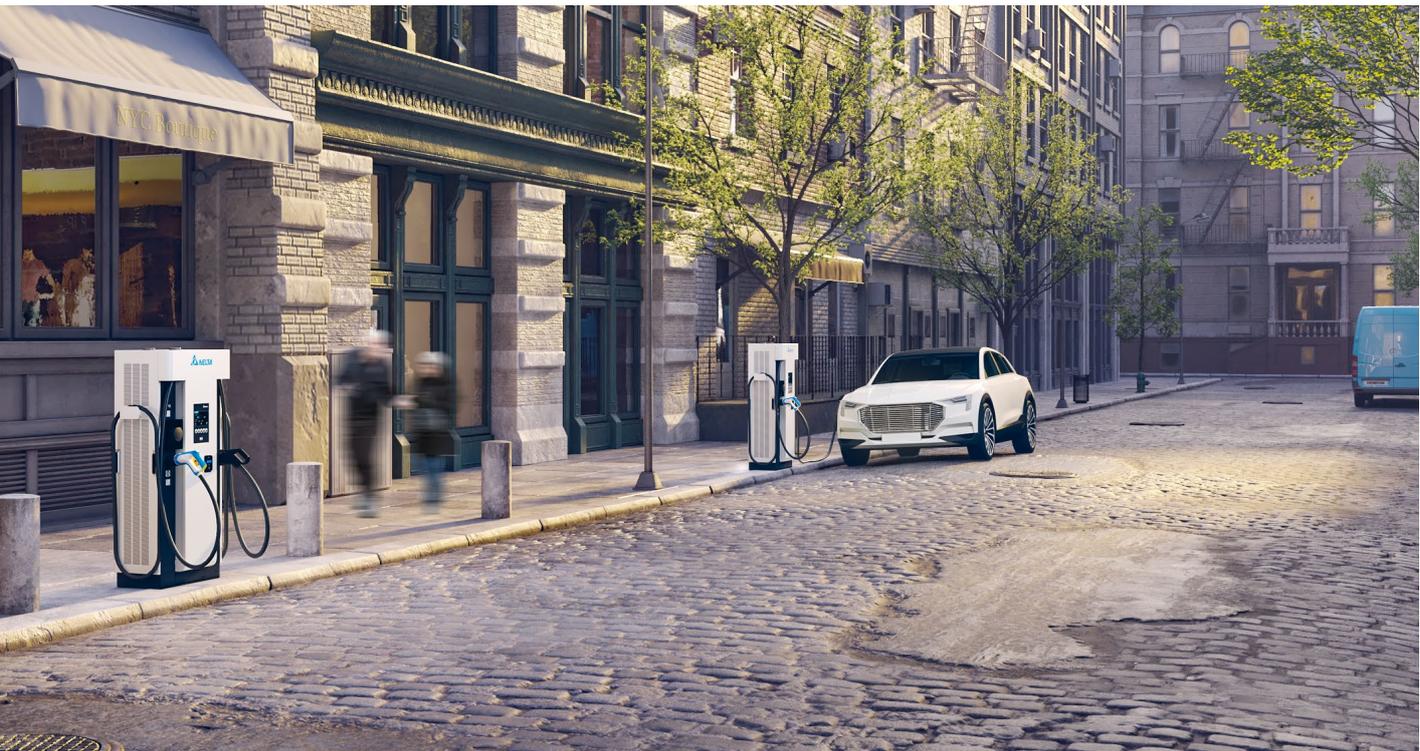


Forward-Looking EV Infrastructure

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, and urban traffic hubs where installation space can be limited.



Application Scenario

Charging Network



Backend System

DeltaGrid® EV Management System



Applications



... and more

Feature Highlights



100kW fast charging
up to 97 % efficiency

- 2 x 50 kW simultaneous DC charging
- Charge up to three vehicles simultaneously
- Up to 920 V_{DC} high voltage charging supports current and future EVs
- Dynamic load distribution minimizes the charging time
- 97 % power efficiency on rectifier level



Compact footprint for
space critical applications

- Small footprint (0.9 m x 0.44 m / 1.6 m)
- 55 % smaller footprint and 62 % smaller volume than same level chargers
- Weighing only 200 kg, no cranes needed during transportation and installation



User-friendly design,
accessible to everyone

- RFID and optional credit card authentication
- Accessibility according to DIN 18040 offers barrier-free access



Product at a Glance

Network Connectivity

Ethernet, Cellular 2G / 3G / 4G

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



Accessibility

Compliance to DIN 18040

User Authentication

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

Protection

IP55, IK10

Specifications

Model Name		SLIM 100
Input		
AC Connection	3-Phase, L1, L2, L3, N, PE, Dual AC feed	
AC Voltage	400 V _{RMS} (L-L) ± 10 %	
Frequency	50 / 60 Hz	
Nominal Current	203 A _{RMS} at maximum output power	
Power Factor / THDu	0.99 / 1 %	
Mains Terminal	Screw terminal / Terminal blocks	
Transient OVP	Class II / C protection	
Output		
DC Output Voltage Range	200 V to 920 V _{DC}	
Maximum Current	250 A _{DC} at 400 V _{DC}	
Maximum Power	100 kW _{DC}	
Cable Length / Reach Distance	5 m / 4.8 m	
Protection	Over current, Under voltage, Over voltage, Short circuit, Ground fault and Isolation monitoring	
User Interface & Control		
Display	7 inch LCD	
Supported Languages	English (Up to 4 additional languages available on request)	
Push Button	1 emergency stop button (option)	
Keypad	5 buttons	
Local Authentication	RFID and NFC Credit card terminal option	
Network Interface	Ethernet, Cellular (2G / 3G / 4G)	
Protocol	Back-end system integration with OCPP 1.5 and 1.6 (HW readiness for OCPP 2.0) Modbus TCP for load management / energy management system integration	
Environmental		
Operating Temperature	-25 °C to +50 °C	
Storage Temperature	-40 °C to +80 °C	
Humidity	< 95% relative humidity, non-condensing	
Altitude	Up to 2000 m	
Mechanical		
Ingress Protection	IP55	
Enclosure Protection	IK10 on the enclosure, IK08 on the display according to IEC 62262	
Cooling	Forced air	
Dimension (W x H x D)	892 × 1616 × 444 mm	
Weight *	230 kg*	
Regulation		
Certificate	IEC 61851-1, 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	250 A _{DC}	125 A _{DC} / 500 V _{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 _{RMS}	
At 22 kW Charging Point	3 × 32 A _{RMS} at 22 kW	
Protections	RCD Type B 30 mA (compliant to IEC 62955)	
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.

Delta Electronics (Netherlands) BV

Zandsteen 15, 2132 MZ Hoofddorp,

The Netherlands

TEL : +31 20 655-0900

evcharging.deltaww.com



2022/04