



EV Charging Solution

DC Charger / SLIM 100

- 100 kW fast charging up to 97% efficiency
- User-friendly design, accessible to everyone
- Integrated credit card payment solution and RFID user identification
- Supports up to 920 V_{DC}
- Full accessibility according DIN 18040



Commercial
Areas



Parking



Service
Station



Logistics
Company



Traffic
Hub



Forward-Looking EV Infrastructure

Address the challenges of next generations EVs with the SLIM 100

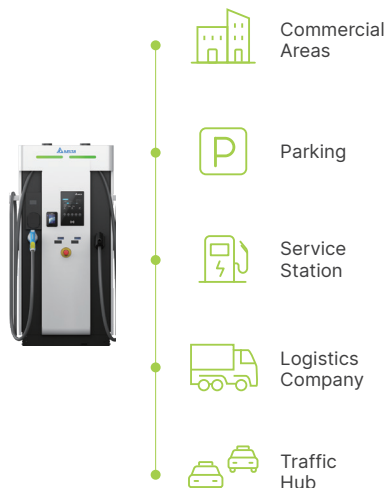
The SLIM 100 offers a maximum power output of 100 kW and includes rectifiers with 97% power efficiency. It provides simultaneous charging of up to three vehicles and offers the convenience of both DC and AC charging. With its ability to deliver 100 kW of power in a single cabinet, the Delta SLIM 100 is well-suited for commercial applications, parking lots, and urban traffic hubs.

It features a flexible cable radius and multi-directional charging capability for greater installation versatility and user convenience. Additional key features include a comprehensive user interface with RFID, payment terminal, and energy meter. The SLIM 100 also includes a prominent charging status light, clearly visible from a distance, helping drivers quickly identify available charging points.



Application Scenario

Charging Network

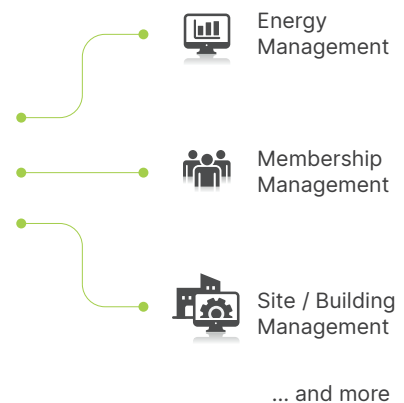


Backend System

DeltaGrid® EV Management System



Applications



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



Multi-directional
Cable Use

- Enabling easy access and efficient space usage
- Flexible, multi-directional deployment, enabling easy access from either side of the vehicle
- The new cable management system provides ample cable handling, accommodating various vehicle parking positions
- Designed with a generous cable radius, the system ensures smooth handling and minimizes strain



User-friendly design,
accessible to everyone

- RFID and optional credit card authentication
- Accessibility according to DIN 18040 offers barrier-free access
- Status indicators guide EV drivers to available charge points



Product at a Glance

Network Connectivity
Ethernet, Cellular 2G / 3G / 4G

Status Indicators

Charging Standard

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

Accessibility
Compliance to DIN 18040

User Authentication
Credit card, RFID reader, Autocharge, ISO 15118-2

Certified DC Meters

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 / 4.6 m 3.5 m / 3.1 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, German (Up to 3 additional languages available on request)	
Push Button	1 emergency stop button (option)	
Keypad	5 buttons	
Local Authentication	RFID and NFC Credit card terminal option, Autocharge	
Network Interface	Ethernet, Cellular (2G / 3G / 4G)	
Protocol	Back-end system integration with OCPP 1.5 and 1.6, 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, ISO 15118-2	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.



More information

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