EV FAST CHARGING SOLUTION

Slim 75

Features

- 75 kW charging station for space critical applications
- Dynamic energy managment minimizing the charging time
- Integrated RFID user identification
- Compact design with low foot print and height (0.9 m x 0.44 m / 1.6 m)
- Supports up to 500 VDC
- Accessibility according DIN 18040
- Wall mountable

Commercial Areas | Parking | Service Station | Logistics Company | Traffic Hub

Forward-Looking EV Infrastructure

Accept the challenges of next- generation EV with Slim 75

Our 75kW 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 75kW, and one charge point is available for AC charging up to 22kW. This maximizes the individual charge rates depending on the vehicle, reducing vehicle wait times and dynamically adjusting to secure grid connection point. 75 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% Power Efficiency
- Prepared to support ISO 15118

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

Complete System Integration

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

Accessibility
According DIN 18040

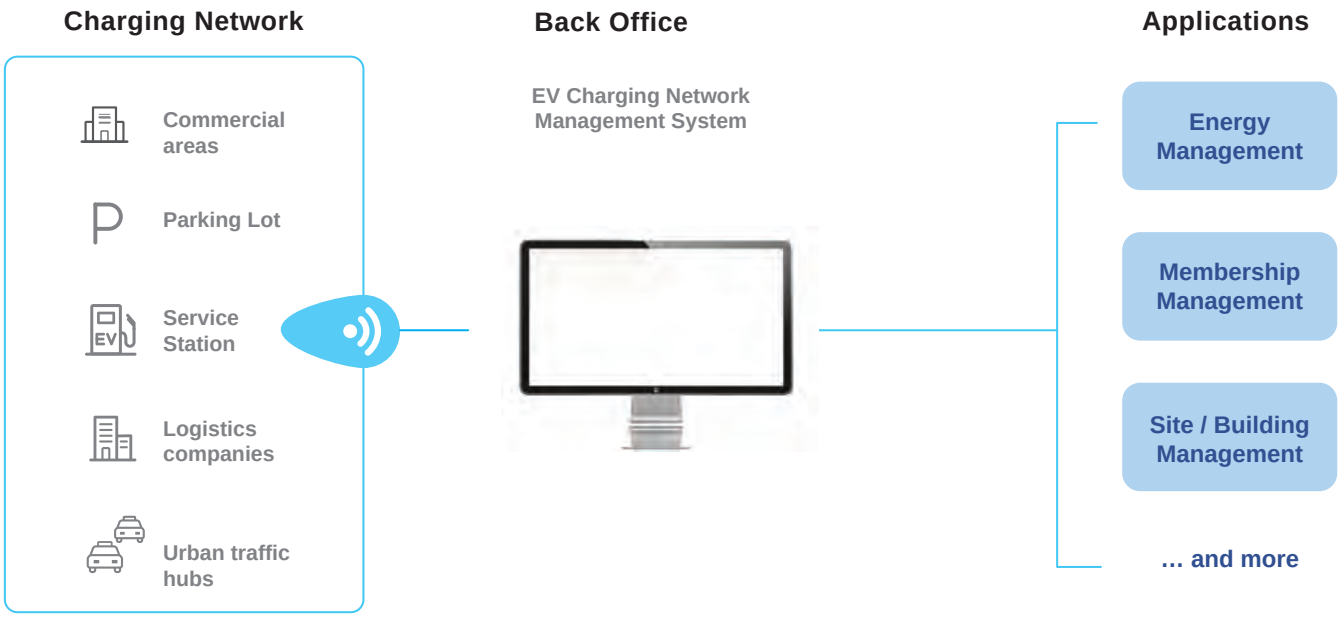
Charging Standard
- CHAdeMO up to 62.5 kW
- CCS up to 75 kW
- AC Type 2 socket up to 22 kW
- Choice of plug standard

Protection
IP 55, IK10

Optimal Operation

- All-Weather Outdoor Design
- Low Lifecycle Cost
- High Availability Service

Application Scenario



Specifications

Input		
AC Connection	3-Phase, L1, L2, L3, N, PE	
AC Voltage	400 V_{RMS} (L- L) ± 10 %	
Frequency	50 / 60 Hz	
Nominal Current	125 A_{RMS} 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 500 V_{DC}	
Maximum Current	188 A_{DC} at 400 V_{DC}	
Maximum Power	up to 75 kW_{DC}*	
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 Authentification	RFID	
Network Interface	Ethernet, Cellular, 2.5 G / 3 G / 4 G	
Protocol	Back-end system integration with OCPP 1.5 and 1.6 Optional separate service interface and power/energy management	
Environmental		
Operating Temperature	Operating from -25 ºC to +50 ºC	
Storage Temperature	-40 ºC to +80 ºC	
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		
Rating cable and connector	200A_{DC}	125A_{DC} / 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_{RMS}	
At 22 kW charging point	3 x 32 A_{RMS} at 22 kW*	
Protections	RCD Type A + 6mA DC sensor	
Compliance AC socket 22kW	IEC 62196-2 Mode 3, Type 2	

* Grid connection point is limited to 125 Arms / 86.6 kW. DC & AC Charging power might be automatically reduced in case of simultaneous charging on all charging points.

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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