

EVC-TT-DC-60KW-200A, EVC-TT-DC-120KW-300A, EVC-TT-DC-180KW-300A, EVC-TT-DC-240KW-300A

IP54, 60kw-240kw DC EV charger

In-house developed controllers, CCS and OCPP charging modules

- Supports multiple charging standards: CCS2
- Wider DC voltage range 300v to 1000v at 30KW constant output power per module, faster charging efficiency
- Optional booster mode, shorten the charging time and improve the efficiency by 28%
- The charger has passed 33 sets of rigorous environmental and thermal shock tests from -35°C to 55°C to ensure the system reliability
- The DC power module is equipped with UL approved epoxy resin automatic injection to sustain the dusty and salty air tests to improve environmental adaptability
- IP54 protection, IK10 vandal-proof enclosure and IK8 touch screen
- Each charging mode with dedicated LED status indicator light (easy and intuitive charging experience)
- Multilingual support colored touch LCD(60 kW for 7" , 120-180-240 kW for 15")
- Built-in RFID card reader
- Supports OCPP 1.6 JSON network and 3G/4G
- Remote firmware upgrade with APP (OTA)
- Adapting OCPP network security protocol to implement the OTA feature
- Passed cloud network protocol test and was verified by OCTT
- Passed vehicle end protocol DIN 70121, ISO 15118, and was verified TUV
- The Linux 5.10 OS and CPU performed with cybersecurity standards
- Third-party certified CE EN61851



EVC-TT-DC-60KW-200A



EVC-TT-DC-120KW-300A
EVC-TT-DC-180KW-300A

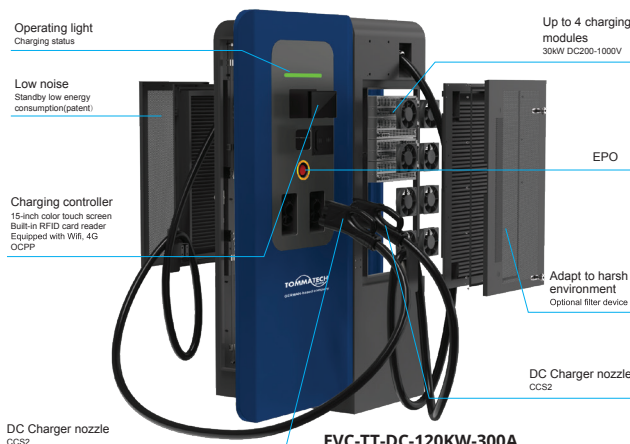


EVC-TT-DC-240KW-300A

Product Outlook



EVC-TT-DC-60KW-200A



EVC-TT-DC-120KW-300A
EVC-TT-DC-180KW-300A
EVC-TT-DC-240KW-300A

Product Selection Guide

Model	Power module No	DC charger nozzle	Dimension (D x W x H, mm)
EVC-TT-DC-60KW-200A	2	up to 2	280 x 660 x 1350
EVC-TT-DC-120KW-300A	4	up to 2	640 x 750 x 1650
EVC-TT-DC-180KW-300A	6	up to 2	
EVC-TT-DC-240KW-300A	8	up to 2	

MODEL			EVC-TT-DC-60KW-200A	EVC-TT-DC-120KW-300A	EVC-TT-DC-180KW-300A	EVC-TT-DC-240KW-300A
Charging Type			DC fast charging			
Outlet Options			CCS2 cable			
AC Input Power @ 400V 50Hz			93 A, 64 kVA	192 A, 128 kVA	288A,192kVA	384A,256kVA
Input Voltage Range			380/400/415 VAC			
Input Frequency			50 Hz or 60 Hz			
DC Outlet	DC Output Power Rating		60 kW	120 kW	180 kW	240 kW
	DC Output Voltage		200-1000 Vdc (Constant power from 300-1000Vdc)			
	Number of EV Served		Up to 2 (CCS2)			
	Cable Length		5.0 m			
	Maximum Current*	CCS Cables	200A	300A	300A	300A
Electro-Magnetic Compatibility			Class A according to EN 61000-6-3:2007			
Distribution Systems			TN-S, TN-C, TN-C-S, TT (required external RCD)			
Connector Type			3P + N + PE			
Protection			Overcurrent, overvoltage, undervoltage, integrated surge protection, ground fault including DC leakage protection, door opening protection			
Overvoltage Category			Type II			
Power Factor (Full Load)			≥ 0.99	≥ 0.99		
THDi			≤ 5%			
Efficiency			≥ 93% (peak)	≥ 94% (peak)		
Standby Power			< 35 W			
Short Circuit Current			10 kA			
Pre-charge Current			< 1 A			
Inrush Current			< 100 A		< 100 A	
Leakage Current			0.8 mA			
Energy Metering			Meter for DC outlet			
Cellular Communication			GSM / 4G/ LTE			
USER INTERFACE						
Connectivity			Internet access via 4G/3G/Ethernet (RJ45)			
User Authentication			RFID, QR code			
User Interface			7" LCD high-contrast touchscreen	15" LCD high-contrast touchscreen		
Communiation Protocols			OCPP 1.6J			
RFID Reader			ISO/IEC 14443 A/B RFID reader			
Emergency Button			Yes			
CONFIGURATION						
Software Upgrade			Yes			
Language System			English, French, Spanish, Turkish			
GENERAL CHARACTERISTICS						
Protection Rating			IP54 and IK10 (cabinet) / IK8 (touchscreen)			
Housing Material			SGCC			
Operating Altitude			Up to 2000 m			
Operating Temperature			-35 °C to +55 °C			
Storage Temperature			-40 °C to +70 °C			
Humidity			<95%, non-condensing			
Mounting			Free-standing cabinet			
Dimensions (D x W x H) mm			280 × 660 × 1350	640 x 750 x 1650		
Net Weight (kgs)			105	175	326	370
COMPLIANCE STANDARDS						
Codes & Standards			IEC 61851-21-2, IEC 61000, IEC/EN 61851-1, IEC 61851-23, IEC 61851-24, IEC 62196-1, IEC 62196-3			
Communication to the EV			DIN 70121, ISO/IEC 15118			

*Cable can be customized upon request.

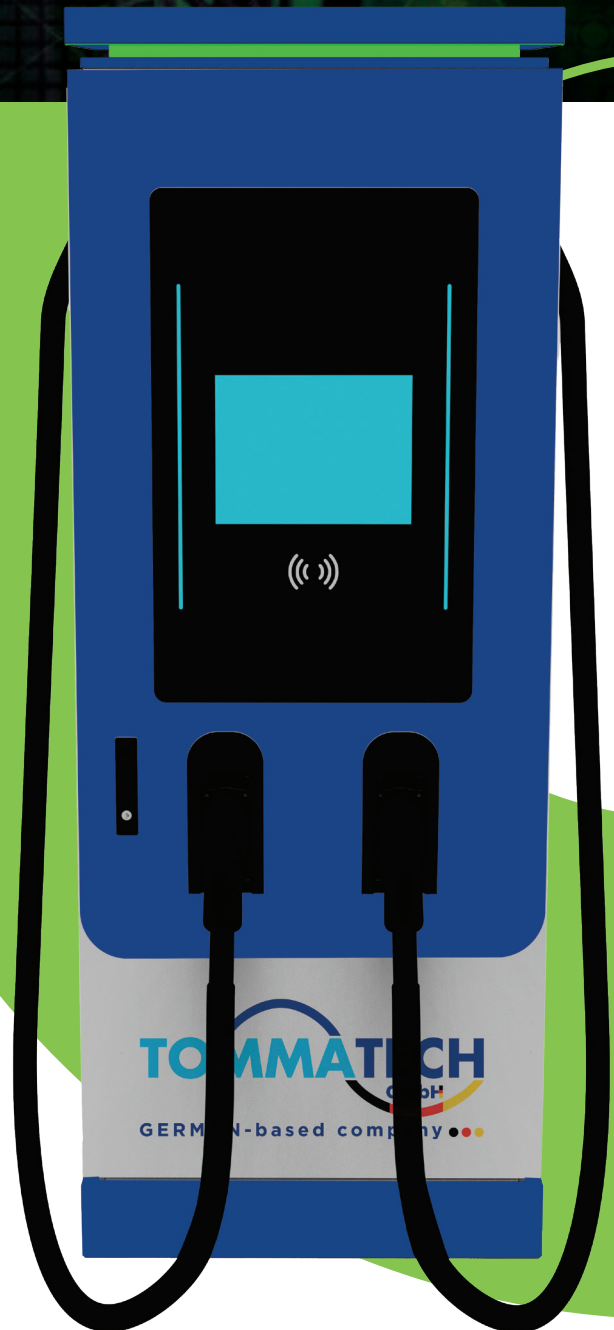
Product specifications are subject to change without further notice

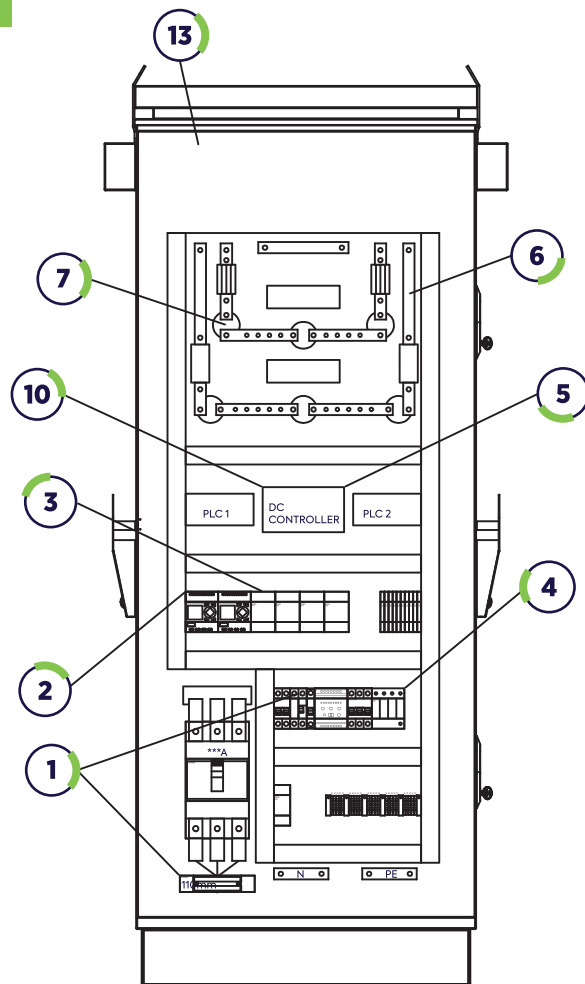
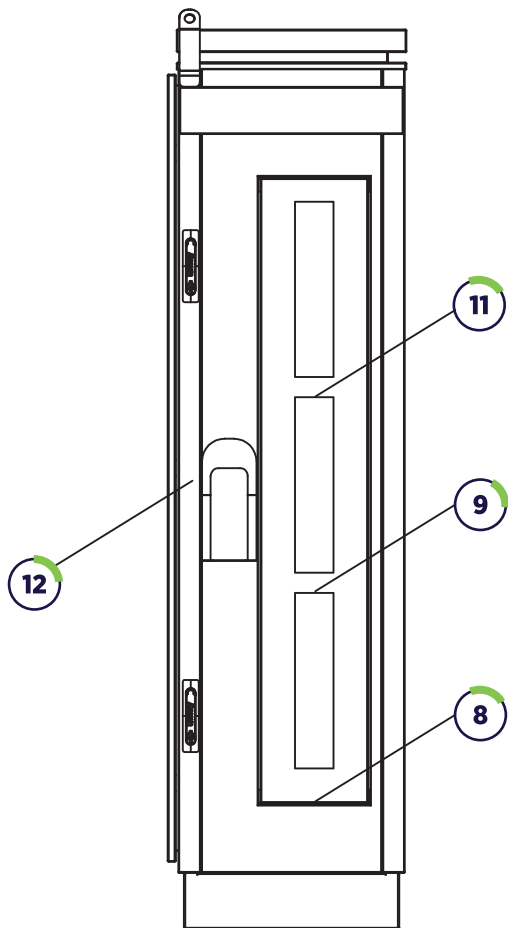
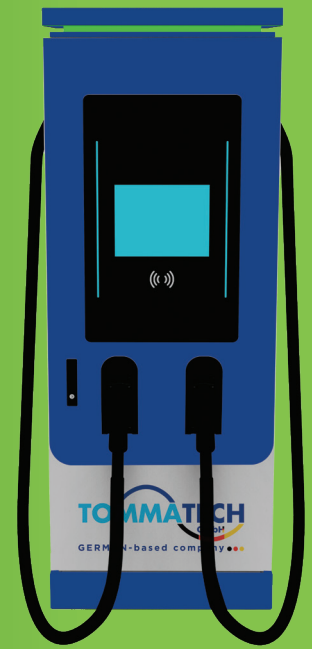
DC CHARGING UNIT

30kW - 400kW

Product Name

TommaTech DC 30 kW 100 A Single Output EVC
TommaTech DC 40 kW 150 A Single Output EVC
TommaTech DC 60 kW 200 A Single Output EVC
TommaTech DC 60 kW 200 A Dual Output EVC
TommaTech DC 80 kW 250 A Dual Output EVC
TommaTech DC 90 kW 300 A Single Output EVC
TommaTech DC 90 kW 300 A Dual Output EVC
TommaTech DC 120 kW 400 A Dual Output EVC
TommaTech DC 160 kW 500 A Dual Output EVC
TommaTech DC 180 kW 500 A Dual Output EVC
TommaTech DC 240 kW 500 A Dual Output EVC
TommaTech DC 320 kW 600 A Dual Output EVC
TommaTech DC 400 kW 600 A Dual Output EVC





- 1** KAKR Toroid 30mA-5A
- 2** Measurement device compliant with EPDK Regulation Article 21/7 (DC meter)
- 3** Insulation Monitoring Device for each DC circuit
- 4** Surge arrester 40 kA Type C
- 5** Open Controller alternative, with DC controller and software developed by our engineers
- 6** The full device power can be delivered from each DC socket
- 7** 6 DC contactors
- 8** AC contactor that prevents energy consumption during idle operation
- 9** Upper model Class B AC/DC Power Module
- 10** 2 DC outputs and 1 AC output capability
- 11** Flexible power module architecture enabling power expansion
- 12** Optional electronic lock that can be opened with a one-time password
- 13** Optional audible and visual warning system against unnecessary occupation of the charging station charging area

TECHNICAL SPECIFICATIONS

Power Input:

	30 kW	40 kW	60 kW	80 kW	90 kW	120 kW	160 kW	180 kW	240 kW	320 kW	400 kW
Input Voltage:	400VAC										
Input Current:	80A	80A	125A	160A	160A	200A	250A	300A	400A	500A	630A
Input Frequency:	50Hz										
Power Factor:	0,98										
Measurement:	Internal DC meter										
Efficiency:	%96 Efficiency										

Power Output:

Output Voltage:	150-1000VDC										
Output Interface:	CCS2 CCS1 GB/T DC (CCS1 and GB/T DC are optional.)										
Output Current:	100A	150A	200A	250A	300A	400A	500A	500A	500A	600A	600A

Protection:

Internal AC RCD:	30mA
Internal DC RCD:	DC Isolation 6 mA
Surge Arrester:	40 kA Type C

User Interface:

Language:	Turkish & English
Status Indicator:	Led
Charging Start Options:	RFID, App

Communication:

Network Interface:	4G, Wifi, Ethernet
Protocol:	Upgradeable to OCPP 1.6J and OCPP 2.1.

Environmental Conditions

Operating Temperature:	From -30 to +50
Altitude:	Up to 2000 m

Mechanical Specifications

Protection Class IP (EC 60529);	IP54
Impact Protection IK (EC 62262):	IK10

Display:

7"	15" (optional 32")
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