

## 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

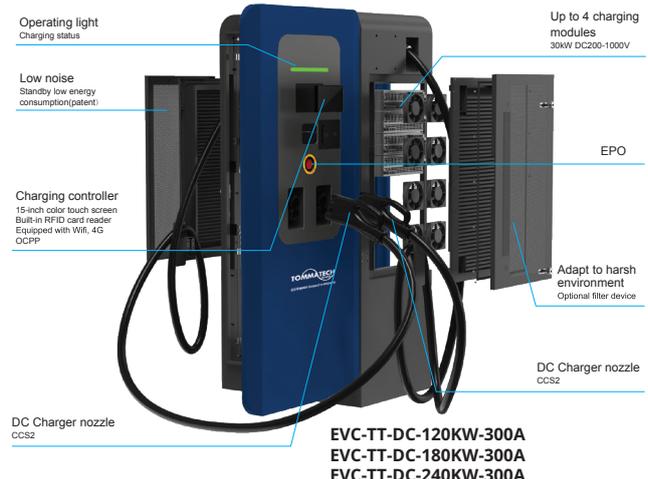


EVC-TT-DC-240KW-300A



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

### Product Outlook



### 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			
<b>USER INTERFACE</b>					
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	
Communication Protocols		OCPP 1.6J			
RFID Reader		ISO/IEC 14443 A/B RFID reader			
Emergency Button		Yes			
<b>CONFIGURATION</b>					
Software Upgrade		Yes			
Language System		English, French, Spanish, Turkish			
<b>GENERAL CHARACTERISTICS</b>					
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 x 660 x 1350		640 x 750 x 1650	
Net Weight (kgs)		105	175	326	370
<b>COMPLIANCE STANDARDS</b>					
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