



MTC Electric Vehicle Charging Solution

MTC brings you innovative charging products with high-quality, reliable and easy-to-use. All of our charging products are user-friendly, making them ideal for government, residential and commercial use.

mTC 
TECHNOLOGY DELIVERED

About MTC

Enable every customer to enjoy the fun from the high-end and professional audio visual systems.

MTC (MTC Technology), founded in 2013 and headquartered in the United States, is a professional provider of high-end and intelligent audio visual complete solutions. Its business has covered the United Arab Emirates, Singapore, India, Africa, Brazil, Hong Kong, Taiwan, South Korea and China. With a wide network of distributors and dealers, our offices across the world provide our customers with comprehensive service support to meet the needs of customers all over the world. MTC products are widely used in government and commercial organizations, retail and hotel business, education and medical services, and homes.

With the corporate vision of "enable every customer to enjoy the fun from the high-end and professional audio visual systems", MTC focuses on the application of the latest intelligent ideas, pursues the principle of 'All Designed by MTC', and upholds the spirit of craftsman to ensure high quality. So that every user around the world can enjoy the top high-tech products designed from the United States. MTC's forward-looking solutions enable us to develop quickly, and win support and recognition from our customers, bringing us extraordinary achievements and reputation in the industry.

Innovation is the gene of MTC. Since its foundation, MTC keeps bringing out new ideas and provides advanced solutions for the professional audio visual market. It commits to improving R&D strength and applying new technologies to ensure continuous innovation in terms of intelligence and informatization, hence realizing improved work efficiency and more convenient life.

Solutions Roadmap

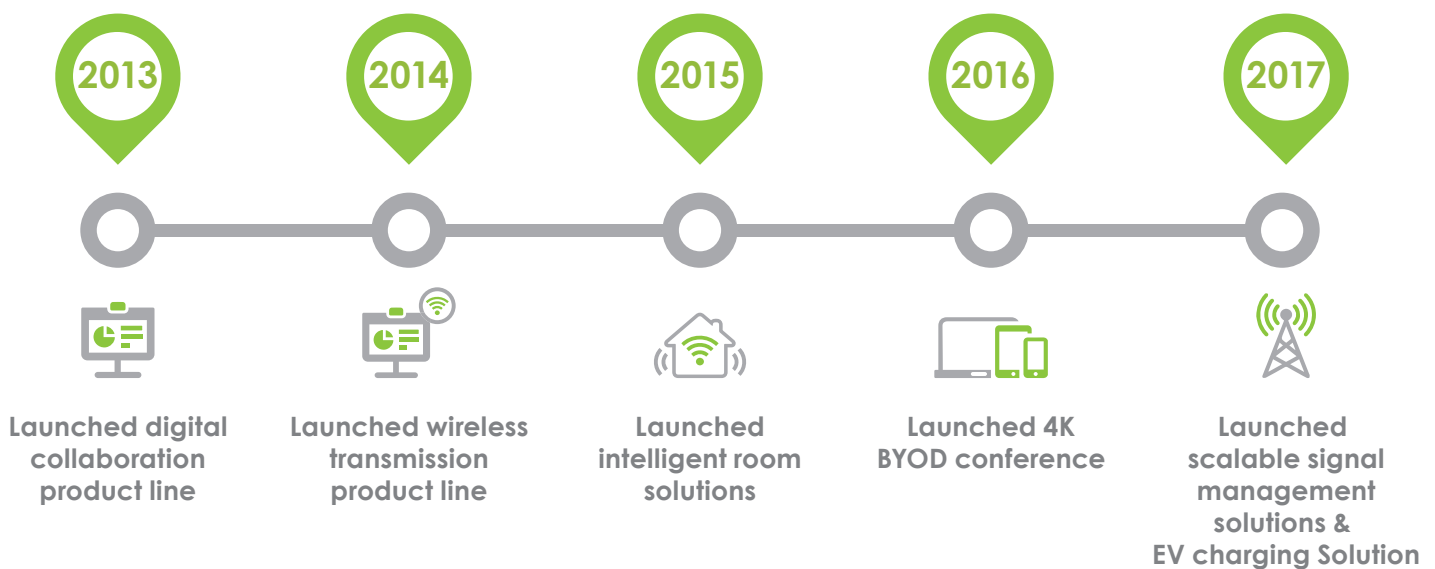


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AC Charging Series





3.5kW Portable AC Charging Adapter

- Charging mode: Mode 2
- Working ambient temperature: -20°C~50°C
- Rated working current: 16A (Max)
- Working voltage: 220V
- UK 13A Plug



IEC 62196(Type2)

Technical Specifications

Product	Portable AC Charging Adapter
Model	MTC-AC-3.5kW
Overall Dimension (mm)	/
Indicator	LED light
AC Power Input	220V AC $\pm 20\%$; 50 ± 10 Hz
Rated input and output current	13A
Rated output power	2.8kW
Working environment	Altitude: ≤ 2000 m; Temperature: -20°C~+50°C
Charging method	Plug and charge
Networking methods	/
Operation mode	/
Executive standard	IEC 62752:2016
Charging cable length	5 meters (longer cable is optional)
Protection grade	IC-CPD IP67, Vehicle Connector IP54, Flame retardant UL-94 V-0
Protection function	Overvoltage protection, Undervoltage protection, Overload protection, Grounding protection, Overcurrent protection, Leakage protection, Over temperature protection



3.5/ 7kW

Wall-Mounted AC Charging Box (with charging cable)

- Charging mode: Mode 2
- Working ambient temperature: -20°C~50°C
- Rated working current: 16A / 32A
- Working voltage: 220V



IEC 62196 (Type2)

Technical Specifications

Product	AC Charging Box with cable	
Model	MTC-AC-3.5-B-A-O-1-SA	MTC-AC-07-B-A-O-1-SA
Overall Dimension (mm)	150*150*65 mm	
Indicator	LED light	
AC Power Input	220V AC $\pm 20\%$; 50 ± 10 Hz	
Rated input and output current	16A	32A
Rated output power	3.5kW	7kW
Working environment	Altitude: ≤ 2000 m; Temperature: -20°C~+50°C	
Charging method	Plug and charge	
Networking methods	/	
Operation mode	/	
Executive standard	IEC 61851-1 :2017; IEC 62196-2:2016	
Charging cable length	Standard 5 meters (optional)	
Protection grade	IP54	
Protection function	Overvoltage protection, Undervoltage protection, Overload protection, Grounding protection, Overcurrent protection, Leakage protection, Over temperature protection	



7kW

AC Charging Box (w/o charging cable)

- Charging mode: Mode 2
- Working ambient temperature: -20°C~50°C
- Rated working current: 32A
- Working voltage: 220V



IEC 62196 (Type2)



Technical Specifications

Product	AC Charging Box
Model	MTC-AC-07-B-A-O-1-SE
Overall Dimension (mm)	180*130*120 mm
Indicator	LED light
AC Power Input	220V AC \pm 20%; 50 \pm 10Hz
Rated input and output current	32A
Rated output power	7kW
Working environment	Altitude: \leq 2000m; Temperature: -20°C~+50°C
Charging method	Plug and charge
Networking methods	/
Operation mode	/
Executive standard	IEC 61851-1 :2017; IEC 62196-2:2016
Charging cable length	/
Protection grade	IP54
Protection function	Overvoltage protection, Undervoltage protection, Overload protection, Grounding protection, Overcurrent protection, Leakage protection, Over temperature protection



7kW

Wall-Mounted / Floor-Standed AC Charging Box

- APP configuration & monitoring on charging
- Charging mode: Mode 2
- Rated working current: 32A



IEC 62196 (Type2)

Technical Specifications

Product	AC Charging Box with APP support
Model	MTC-AC-07-L-A-O-1-SF
Overall Dimension (mm)	304*191*95 mm
Indicator	LED light
AC Power Input	220V AC $\pm 20\%$; 50 ± 10 Hz
Rated input and output current	32A
Rated output power	7kW
Working enviroment	Altitude: ≤ 2000 m; Temperature: -20 $^{\circ}$ C~ +50 $^{\circ}$ C
Charging method	Plug and charge
Networking methods	Bluetooth/ WIFI/ APP
Operation mode	/
Executive standard	IEC 61851-1 :2017; IEC 62196-2:2016
Charging cable length	Standard 5 meters (optional)
Protection grade	IP54
Protection function	Overvoltage protection, Undervoltage protection, Overload protection, Grounding protection, Overcurrent protection, Leakage protection, Over temperature protection



7/ 11/ 22kW

Wall-Mounted/ Floor-Standed AC Charging Box

- Can be activated by card swiping/ code scanning
- Charging mode: Mode 3
- Rated working current: 32A



Technical Specifications

Product	AC Charging Box with Authentication		
Model	MTC-AC-07-B-A-O- 1/2/3/4/5-RZ-P	MTC-AC-11-B-A-O- 1/2/3/4/5-RZ-P	MTC-AC-22-B-A-O- 1/2/3/4/5-RZ-P
Overall Dimension (mm)	400*280*120 mm		
Indicator	LED light / 4.3 inch screen		
AC Power Input	AC 220V ±15%	AC380V ±15%	AC380V ±15%
Rated input and output current	32A	16A	32A
Rated output power	7kW	11kW	22kW
Working environment	Altitude: ≤2000m; Temperature: -20°C~+50°C		
Communication Protocol	OCPP 1.6J		
Charging method	Swipe Card, Scan Code		
Networking methods	Ethernet/ 4G/ WIFI		
Operation mode	/		
Executive standard	IEC 61851-1 :2017; IEC 62196-2:2016		
Charging cable length	Standard 5 meters(optional)		
Protection grade	IP54		
Protection function	Overvoltage protection, Undervoltage protection, Overload protection, Grounding protection, Overcurrent protection, Leakage protection, Over temperature protection		



7kW Wall-Mounted/ Floor-Standing AC Charging Box

- Can be activated by touch screen / card swiping/ code scanning
- Charging mode: Mode 3
- Rated working current: 16A / 32A
- Emergency stop button



IEC 62196 (Type2)

Technical Specifications

Product	AC Charging Box with emergency stop
Model	MTC-AC-07-L-A-O-1/2/3/4/5/6-JS-P
Overall Dimension (mm)	450*300*120 mm
Indicator	4.3 Inch bright color touch screen, LED light
AC Power Input	220V AC \pm 20%
Rated input and output current	32A
Rated output power	7kW
Working environment	Altitude: \leq 2000m; Temperature: -20°C~ +50°C
Communication Protocol	OCPP 1.6J
Charging method	Swipe Card, Scan Code (Optional)
Networking methods	Ethernet/ 4G
Operation mode	/
Charging interface	IEC 61851-1 :2017; IEC 62196-2:2016
Charging cable length	Standard 5 meters (optional)
Protection grade	IP54
Protection function	Overvoltage / Undervoltage / Overload / Grounding / Overcurrent / Leakage / / Over temperature / Communication abnormality / Short Circuit Protection, Emergency Stop button



11/ 22kW

Wall-Mounted/ Floor-Standed AC Charging Box

- Can be activated by touch screen / card swiping/ code scanning
- Charging mode: Mode 3
- Rated working current: 16A / 32A
- Emergency stop button



IEC 62196 (Type2)

Technical Specifications

Product	AC Charging Box with emergency stop	
Model	MTC-AC-11-L-A-O- 1/2/3/4/5/6-JS-P	MTC-AC-22-L-A-O- 1/2/3/4/5/6-JS-P
Overall Dimension (mm)	500*350*130mm	
Indicator	4.3 Inch bright color touch screen, LED light	
AC Power Input	380V AC \pm 20%	380V AC \pm 20%
Rated input and output current	16A	32A
Rated output power	11kW	22kW
Working enviroment	Altitude: \leq 2000m; Temperature: -20°C~+50°C	
Communication Protocol	OCPP 1.6J	
Charging method	Swipe Card, Scan Code (Optional)	
Networking methods	Ethernet/ 4G	
Operation mode	/	
Charging interface	IEC 61851-1 :2017; IEC 62196-2:2016	
Charging cable length	Standard 5 meters (optional)	
Protection grade	IP54	
Protection function	Overvoltage / Undervoltage / Overload / Grounding / Overcurrent / Leakage / / Over temperature / Communication abnormality / Short Circuit Protection, Emergency Stop button	



22/ 44kW

Wall-Mounted/ Floor-Standing AC Charging Box

- Can be activated by touch screen / card / code
- Charging mode: Mode 3
- Working voltage: 380V
- Charge 2 EV simultaneously
- Rated working current: 16A+16A / 32A+32A



IEC 62196 (Type2)

Technical Specifications

Product	AC Charging Box with 2 charger	
Model	MTC-AC-22-L-B-O-2/6-JS-P	MTC-AC-44-L-B-O-2/6-JS-P
Overall Dimension (mm)	550*430*130 mm	550*430*160mm
Indicator	4.3 Inch bright color touch screen, LED indicator strip	
AC Power Input	380V AC \pm 20%; 50 \pm 10Hz	
Rated input and output current	16A+16A	32A+32A
Rated output power	11kW per charger	22kW per charger
Working environment	Altitude: \leq 2000m; Temperature: -20 $^{\circ}$ C~+50 $^{\circ}$ C	
Communication Protocol	OCPP 1.6J	
Charging method	Swipe Card, Scan Code	
Networking methods	Ethernet/ 4G	
Operation mode	/	
Charging interface	IEC 61851-1 :2017; IEC 62196-2:2016	
Charging cable length	Standard 5 meters (optional)	
Protection grade	IP54	
Protection function	Overvoltage / Undervoltage / Overload / Grounding / Overcurrent / Leakage / / Over temperature / Communication abnormality / Short Circuit Protection, Emergency Stop button	



22/ 44kW

Integrated AC Charging Station

- Can be activated by touch screen / card / code
- Charging mode: Mode 2/3
- Working voltage: 220V
- Charge 2 EV simultaneously
- Rated working current: 16A+16A / 32A+32A



IEC 62196 (Type2)



Technical Specifications

Product	AC Charging Station 220V	
Model	MTC-AC-22-Y-B-O-2/6-JS-P	MTC-AC-44-Y-B-O-2/6-JS-P
Overall Dimension (mm)	300*150*1400 mm	
Indicator	4.3 Inch bright color touch screen, LED light	
AC Power Input	220V AC \pm 20%; 50 \pm 10Hz	
Rated input and output current	16A + 16A	32A + 32A
Rated output power	3.5kW per charger	7kW per charger
Working environment	Altitude: \leq 2000m; Temperature: -20 $^{\circ}$ C~+50 $^{\circ}$ C	
Communication Protocol	OCPP 1.6J	
Charging method	Swipe Card, Scan Code	
Networking methods	Ethernet/ 4G/ WIFI	
Operation mode	/	
Charging interface	IEC 61851-1 :2017; IEC 62196-2:2016	
Charging cable length	Standard 5 meters (optional)	
Protection grade	IP54	
Protection function	Overvoltage / Undervoltage / Overload / Grounding / Overcurrent / Leakage / / Over temperature / Communication abnormality / Short Circuit Protection, Emergency Stop button	



14kW

Integrated AC Charging Station

- Can be activated by touch screen / card / code
- Charging mode: Mode 2
- Working voltage: 220V
- Charge 2 EV simultaneously
- Rated working current: 32A+32A



IEC 62196 (Type2)



Technical Specifications

Product	AC Charging Station 220V (without cable)
Model	MTC-AC-14-Y-B-0-3-JZ-P
Overall Dimension (mm)	410*240*1400 mm
Indicator	4.3 Inch bright color touch screen, LED light
AC Power Input	220V AC $\pm 20\%$; 50 ± 10 Hz
Rated input and output current	32A + 32A
Rated output power	7kW per charger
Working enviroment	Altitude: ≤ 2000 m; Temperature: -20 $^{\circ}$ C~+50 $^{\circ}$ C
Communication Protocol	OCPP 1.6J
Charging method	Swipe Card, Scan Code
Networking methods	Ethernet/ 4G/ WIFI
Operation mode	/
Charging interface	IEC 61851-1 :2017; IEC 62196-2:2016
Charging cable length	/
Protection grade	IP54
Protection function	Overvoltage / Undervoltage / Overload / Grounding / Overcurrent / Leakage / / Over temperature / Communication abnormality / Short Circuit Protection, Emergency Stop button



22/ 44kW Integrated AC Charging Station

- Can be activated by touch screen / card / code
- Charging mode: Mode 3
- Working voltage: 380V
- Charge 2 EV simultaneously
- Rated working current: 16A+16A / 32A+32A



IEC 62196 (Type2)



Technical Specifications

Product	AC Charging Station 380V	
Model	MTC-AC-22-Y-B-O-2/6-JS-P	MTC-AC-44-Y-B-O-2/6-JS-P
Overall Dimension (mm)	300*150*1400 mm	
Indicator	4.3-inch high-brightness color touch screen, LED light	
AC Power Input	380V AC \pm 20%; 50 \pm 10Hz	
Rated input and output current	16A + 16A	32A + 32A
Rated output power	22kW	44kW
Working environment	Altitude: \leq 2000m; Temperature: -20 $^{\circ}$ C~+50 $^{\circ}$ C	
Communication Protocol	OCPP 1.6J	
Charging method	Swipe Card, Scan Code	
Networking methods	Ethernet/ 4G/ WIFI	
Operation mode	/	
Charging interface	IEC 61851-1 :2017; IEC 62196-2:2016	
Charging cable length	Standard 5 meters (optional)	
Protection grade	IP54	
Protection function	Overvoltage / Undervoltage / Overload / Grounding / Overcurrent / Leakage / / Over temperature / Communication abnormality / Short Circuit Protection, Emergency Stop button	

DC Charging Series

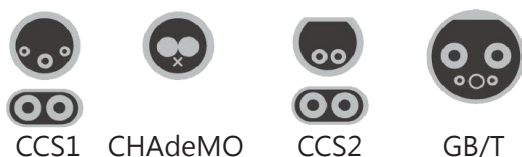




7/ 15/ 20/ 30kW

Portable DC Charging box

- Setup DC charging solution nearby
- Convert 380VAC / AC charging pile to DC
- Charging mode: Mode 4



Technical Specifications

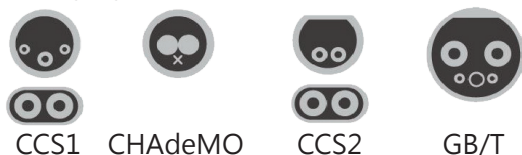
Product	Portable DC Charging box			
Model	MTC-DC-7KW	MTC-DC-15KW	MTC-DC-20KW	MTC-DC-30KW
Output voltage	150-750V DC (for CCS2), 50-500V DC (For CHAdeMo)			
Indicator	LED light			
AC Power Input	380V AC \pm 20%; 50-60Hz			
Power factor	>98% (above 50% Load)			
Rated output power	7kW	15kW	20kW	30kW
Working enviroment	Altitude: \leq 2000m; Temperature: -20°C~+50°C			
Charging method	Plug and charge			
Networking method	/			
Charging Port	IEC62196			
Charging cable length	Standard 5 meters (optional)			
Protection grade	IP54			
Protection function	Overvoltage protection, Undervoltage protection, Overload protection, Grounding protection, Overcurrent protection, Leakage protection, Over temperature protection			



20/ 30/ 40kW

Wall-Mounted/Floor-Standed DC Charging Station

- Setup DC charging solution in limited space
- Charging mode: Mode 4



Technical Specifications

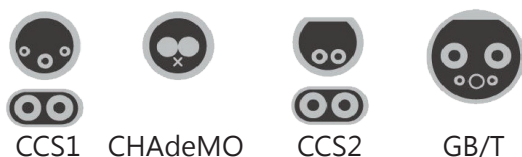
Product	DC Charging box
Model	MTC-DC- (020/030/040) -B-A-O-2-H
Overall Dimension (mm)	410*620*216 mm - 450*660*230mm
Indicator	4.3 Inch bright color touch screen, LED light
AC Power Input	380V AC $\pm 15\%$; 50 ± 10 Hz
Output Voltage	200 - 750V DC
Rated output power	20kW / 30kW / 40kW
Working enviroment	Altitude: ≤ 2000 m; Temperature: -20 $^{\circ}$ C~+50 $^{\circ}$ C
Charging method	Swipe Card, Scan Code, Password
Charging mode	Automatic charging / Fixed power / Fixed output amount / Fixed time
Networking methods	Ethernet/ 4G
Efficiency	>94%
Executive standard	IEC 61851-1 :2017; IEC 62196-2:2016
Charging cable length	Standard 5 meters (optional)
Protection grade	IP54
Protection function	Overvoltage protection, Undervoltage protection, Overload protection, Grounding protection, Overcurrent protection, Leakage protection, Over temperature protection



30/ 40kW

Integrated DC Charging Station

- Suitable for charging station / parking lots
- Charge 2 EV simultaneously
- Charging mode: Mode 4



Technical Specifications

Product	DC Charging Station (Basic)	
Model	MTC-DC-030-Y-B-O-3/4/5-H	MTC-DC-040-Y-B-O-3/4/5-H
Overall Dimension (mm)	1610 * 550 * 200 mm	
Indicator	4.3 Inch bright color touch screen, LED light	
AC Power Input	380V AC $\pm 15\%$; 50 ± 10 Hz	
Output Voltage	200 - 1000V DC	
Rated output power	30kW	40kW
Working enviroment	Altitude: ≤ 2000 m; Temperature: -20 $^{\circ}$ C~+50 $^{\circ}$ C	
Charging method	Swipe Card, Scan Code, Password	
Charging mode	Automatic charging / Fixed power / Fixed output amount / Fixed time	
Networking methods	Ethernet/ 4G	
Communication Protocol	OCPP 1.6J	
Executive standard	IEC 61851-1 :2017; IEC 62196-2:2016	
Charging cable length	Standard 5 meters (optional)	
Protection grade	IP54	
Protection function	Overvoltage protection, Undervoltage protection, Overload protection, Grounding protection, Overcurrent protection, Leakage protection, Over temperature protection	



60-240kW

Integrated DC Charging Station

- Super-fast charging station
- Charge 2 EV simultaneously
- Charging mode: Mode 4



CCS1



CHAdeMO



CCS2



GB/T



Technical Specifications

Product	DC Charging Station (Fast)
Model	MTC-DC-060/080/120/160/180/240-Y-B-O-3/4/5-H
Overall Dimension (mm)	1620*750*560 mm - 1800*800*600mm
Indicator	7-inch bright color touch screen, LED light
AC Power Input	380V AC \pm 20%; 50 \pm 10Hz
Output Voltage	200 - 1000 V DC
Rated output power	60kW/ 80kW/ 120kW/ 160kW/ 180kW/ 240kW
Working enviroment	Altitude: \leq 2000m; Temperature: -20 $^{\circ}$ C~+50 $^{\circ}$ C
Communication Protocol	OCPP 1.6J
Charging method	Swipe Card, Scan Code, Password
Charging mode	Automatic charging / Fixed power / Fixed output amount / Fixed time
Networking methods	Ethernet/ 4G
Executive standard	IEC 61851-1 :2017; IEC 62196-2:2016
Charging cable length	Standard 5 meters (optional)
Protection grade	IP54
Protection function	Overvoltage protection, Undervoltage protection, Overload protection, Grounding protection, Overcurrent protection, Leakage protection, Over temperature protection



60/ 80/ 120/ 160kW

Integrated DC Charging Station

- Super-fast charging station
- Signage space available
- Charge 2 EV simultaneously
- Charging mode: Mode 4



CCS1



CHAdeMO



CCS2



GB/T



Technical Specifications

Product	DC Charging Station (Signage)
Model	MTC-DC-120/160-Y-B-O-3/4/5/6-H
Overall Dimension (mm)	1620*750*560 mm
Indicator	7-inch bright color touch screen, LED light
AC Power Input	380V AC $\pm 15\%$; 50 ± 10 Hz
Output Voltage	200 - 1000V DC
Rated output power	120kW/ 160kW
Working environment	Altitude: ≤ 2000 m; Temperature: -20 $^{\circ}$ C~+50 $^{\circ}$ C
Charging method	Swipe Card, Scan Code, Password
Charging mode	Automatic charging / Fixed power / Fixed output amount / Fixed time
Networking methods	Ethernet/ 4G (OCPP 1.6J)
Executive standard	IEC 61851-1 :2017; IEC 62196-2:2016
Charging cable length	Standard 5 meters (optional)
Protection grade	IP54
Protection function	Charging gun temperature detection, Over voltage protection, Under voltage protection, Overload protection, Short circuit protection, Over temperature protection, Low temperature protection, Lightning protection, Emergency stop protection, Leakage protection



142kW

Integrated AC/DC Charging Station

- Provide both AC & DC charging
- Charge 3 EV simultaneously (2 DC + 1 AC)
- Charging mode: Mode 3/4



CCS1



CHAdeMO



CCS2



GB/T



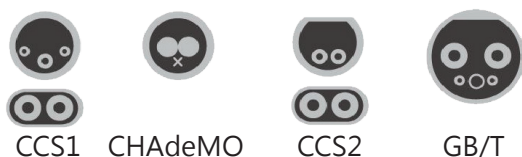
Technical Specifications

Product	AC/DC Charging Station
Model	MTC-142-Y-C-000-2-H
Overall Dimension (mm)	1735*705*570 mm
Indicator	7 Inch bright color touch screen, LED light
AC Power Input	380V AC $\pm 15\%$; 50 ± 10 Hz
Output Voltage	DC: 200 - 1000V ; AC: 380V
Rated output power	DC: 120kW ; AC: 22kW
Working environment	Altitude: ≤ 2000 m; Temperature: -20 $^{\circ}$ C~+50 $^{\circ}$ C
Charging method	Swipe card, Scan code, Password
Charging mode	Automatic charging / Fixed power / Fixed total output / Fixed time
Networking methods	Ethernet/ 4G
Communication Protocol	OCPP 1.6J
Executive standard	GB/T20234, GB/T18487, GB/T27930, NB/T33008, NB/T33002
Charging cable length	Standard 5 meters (optional)
Protection grade	IP54
Protection function	Overvoltage protection, Undervoltage protection, Overload protection, Grounding protection, Overcurrent protection, Leakage protection, Over temperature protection



240-720kW Flexible Charging Stack

- Solution for DC charging station
- 1 Host to supply multiple Terminals



Technical Specifications

Product	DC Charging Stack	
Model	MTC-DC-240/360/480/600/720-F (Host)	MTC-DC-250A-A/B (Single / Dual charger Terminal)
Overall Dimension (mm)	2000 - 2200 * 1000 - 1300 * 800mm	1500*400*240 mm
Indicator	LED light	7 inch touch screen, LED light
Input Voltage	AC 380V ±15%; 50±10Hz	DC 50-1000V (from Host)
Maximum output current (750V)	600/ 900/ 1200/ 1500/ 1800A	250A
Rated output power	240/ 360/ 480/ 600/ 720kW	75kW
Working enviroment	Altitude: ≤2000m; Temperature: -20°C~+50°C	
Charging method	Scan code, VIN code, Swipe Card, Password	
Charging mode	Automatic charging / Fixed battery / Fixed amount	
Networking methods	/	Ethernet/ 4G
Protection function	Overvoltage protection, Undervoltage protection, Overload protection, Grounding protection, Overcurrent protection, Leakage protection, Over temperature protection	

AC adapter cable

- Housing Material: Thermoplastic
- Flame retardant grade: UL94V-0
- Terminals: Copper Alloy, Silver plated on the surface
- Charging mode: Mode 3



J1772(Type1)



IEC62196(Type2)



GB/T 20234



Technical Specifications

Product	AC adapter cable
Model	MTC-AC-Cable-16/32-1/2/3
Rated current	16A / 32A
Operation Voltage	250V (Single Phase) / 400V (Three Phase)
Insulation resistance	>1000MΩ
Terminal temperature rise	<50K
Withstand Voltage	2000V
Contact resistance	0.5mΩ Max
Working Temperature	-30°C ~ +50°C
Executive standard	IEC 62196-1:2016 ; IEC 62196-2:2016
Mechanical life	No-load plug in & out >10000 times
Coupled insertion force	45N<F<100N
Colour	Shell: white / black, Cable: black / orange
Cable specification	Single Phase - 16A: 3*2.5mm ² + 2*0.5mm ² 32A: 5*2.5mm ² + 2*0.5mm ² Three Phase - 16A: 3*6mm ² + 2*0.5mm ² 32A: 3*6mm ² + 2*0.5mm ²



AC connector

- Housing Material: Thermoplastic
- Flame retardant grade: UL94 V-0
- Terminals: Copper Alloy, Silver plated on the surface



J1772(Type1)



IEC62196(Type2)



GB/T 20234



Technical Specifications

Product	AC charge connector
Model	MTC-AC-Connector-16/32-1/2/3
Rated current	16A / 32A
Operation Voltage	220V (Single Phase) / 380V (Three Phase)
Number of Power Pins	5 (PE, L1, L2, L3, N)
Terminal temperature rise	<50K
Impact resistance	Withstand drop from 1 meter height and crush by 2-ton vehicle
Insulation resistance	>1000MΩ
Working Temperature	-30°C ~ +50°C
Shell material	Thermoplastic, flame retardant grade UL94 V-0
Protection level	IP67 (with protective cover plugged in)
Number of signal contact	≤80N
Colour	Shell: white / black, Cable: black / orange
Cable specification	Single Phase - 16A: 3*2.5mm ² + 1*0.75mm ² TPE, Φ13.5 32A: 5*2.5mm ² + 1*0.75mm ² TPE, Φ15.5 Three Phase - 16A: 3*6mm ² + 1*0.75mm ² TPE, Φ16.3 32A: 3*6mm ² + 1*0.75mm ² TPE, Φ16.3



DC connector

- Housing Material: Thermoplastic
- Flame retardant grade: UL94 V-0
- Terminals: Copper Alloy, Silver plated on the surface



CCS1



CHAdeMO



CCS2



GB/T



Technical Specifications

Product	AC charge connector
Model	MTC-DC-Connector-80/125/160/200-1/2/3/4
Rated current	80A /125A /200A /250A
Operation Voltage	750V DC (Max)
Contact resistance	0.5mΩ Max
Terminal temperature rise	<50K
Withstand Voltage	3200V
Coupled insertion force	45N<F<100N
Working Temperature	-30°C ~ +50°C
Impact resistance	Withstand drop from 1 meter height and crush by 2-ton vehicle
Protection level	IP67 (with protective cover plugged in)
Mechanical Life	No-load plug in and out >10000 times
Colour	Shell: white / black, Cable: black / orange
Cable specification	80A : 2*16mm ² + 16mm ² + 3*2*0.75mm ² TPU, Φ26/TPE, Φ32 125A : 2*35mm ² + 25mm ² + 3*2*0.75mm ² TPU, Φ31.5/TPE, Φ34 160A : 2*50mm ² + 25mm ² + 3*2*0.75mm ² TPU, Φ34.5/TPE, Φ37 200A : 2*70mm ² + 25mm ² + 3*2*0.75mm ² TPU, Φ37/TPE, Φ40

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