

MC-DS series

**MIDCOUR**  
YOUR EV CHARGING SOLUTION

# 180kW Standalone DC Fast Charger



- Optional non-Liquid-cooled 500A charging connector\*
- Simultaneous DC charging
- Multi-standard: CCS and CHAdeMO
- Network or standalone operation
- User authentication
- Optional cable management accessories
- Supports smart charging and load balancing
- Efficiency > 94%; PF > 0.99(APFC)
- 7-inch LCD screen with user friendly interface
- OCPP 1.6 JSON
- IK10/NEMA 3R(Not including screen and RFID module)
- Customization available


## Optional Cable Management



\* 300A to 500A duty cycle is following charging connector's instruction

## Applications

- Parking garage
- Commercial fleet operators
- EV infrastructure operators and service providers
- EV dealer workshops
- Gas/Service stations

Model Name	UL, DS 180 Series	
Safety	NRTL – cETLus (USA/Canada )	
Product Photo		
<b>Power Specification</b>		
AC Input	Input Rating	3Φ_480Vac (+10%, -15%)
	AC Input Connection	3P+N+PE (Wye configuration), TN/TT
	Max. Input Current	DC System:3Φ260A
	Frequency	50Hz/60Hz
	Power Factor	>0.99
	Efficiency	>94%,at optimize V/I point
DC Output	Output Voltage Range	<ul style="list-style-type: none"> <li>• CCS1:150~950Vdc</li> <li>• CHAdeMO:150~500Vdc</li> </ul>
	Max. Output Current	<ul style="list-style-type: none"> <li>• CHAdeMO:120A@500V</li> <li>• CCS1:200A@900V, optional 300A</li> </ul>
	Max. Output Power	DC System:180kW
	Voltage Accuracy	±2%
	Current Accuracy	±2%
<b>User Interface &amp; Control</b>		
Display	7" TFT-LCD	
Push Buttons	Operation button/Emergency stop button	
User Authentication	RFID: support ISO 14443A/B, ISO 15693, FeliCa Lite-S (RCS966) OCPP, 2D barcode, APP, Mobile payment	
<b>Communication</b>		
External	Ethernet,Wi-Fi,and 4G	
Internal	CAN bus/RS485	
<b>Environmental</b>		
Operating Temperature	-30°C~50°C, will derating from 50°C and above	
Humidity	5%~95% RH, non-condensing	
Altitude	≤ 2000m	
IP/IK Level	<ul style="list-style-type: none"> <li>• NEMA 3R</li> <li>• IK10 (not including screen and RFID module)</li> </ul>	
Cooling Method	Fan cooling	
<b>Mechanical</b>		
Cabinet Dimension(W x D x H)	800 x 650 x 1900mm ±1%	
Weight	≤ 500kg ±1%	
Cable Length	4m	
<b>Protection</b>		
Input Protection	OVP, OCP, OPP, OTP, UVP, SPD	
Output Protection	OCP, SCP, OVP, LVP, OTP, IMD	
<b>Regulation</b>		
Certificate	UL 2202, UL2231	
Charging Interface	CHAdeMO V1.2, DIN 70121, ISO15118, GB/T 27930	