

EV AC-Compact DC Charging Stations



P.D. MCLAREN LTD.

CS308



Model Name		CS308-A32	CS308-A40	CS308-A48	CS308-A80
Power Specification	Input AC Rating	208-240Vac			
	Input Max. AC Current	32A	40A	48A	80A
	Frequency	60Hz			
	Max. Output Power	7.6kW	9.6kW	11.5kW	19.2kW
User Interface & Control	Display	7" LCD Screen			
	LED Indicator	Yes			
	Push Buttons	Restart Button			
	User Authentication	RFID (ISO / IEC14443 A/B), APP			
Communication	Network Interface	LAN, Wi-Fi and Bluetooth Standard, 3G / 4G Optional			
	Communication Protocol	OCPP1.6 J / OCPP2.0.1 Upgradeable			
	Communication Function	ISO / IEC 15118 Optional			
Environmental	Operation Temperature	-22°F~122°F			
	Humidity	5%~95% RH, Non-condensing			
	Altitude	≤ 6562ft(2000m), No Derating			
Mechanical	IP/K Level	NEMA Type3R(IP66) / IK10			
	Cabinet Dimension(WxDxH)	12.32" × 6.18" × 17.76"(313mm×157mm×451mm)			
	Weight	16.98lbs(7.7kgs)			
	Cable & Plug	Type 1 or NACS 18ft(5.5m)(Standard) / 25ft(7.5m)(Optional)			
Protection	Multiple Protection	OVP(Over Voltage Protection), OCP(Over Current Protection), OTP(Over Temperature Protection), UVP(Under Voltage Protection), SPD(Surge Protection Detection), Grounding Protection, SCP(Short Circuit Protection), Control Pilot Fault, Relay Welding Detection, CCID Self-test			
Regulation	Safety	UL 2594, UL2231-1/-2			
	Certificate	ETL, FCC			
	Charging Interface	SAE J1772 Type 1 / NACS			

DUAL PORT



Model Name		DS308-A96			
Power Specification	Input AC Rating	208-240Vac			
	Input Max. AC Current	32A+32A/64A	40A+40A/80A	48A+48A /96A 48A MAX single port	48A+48A /96A 80A MAX single port
	Frequency	60Hz			
	Max. Output Power	7.6kW+7.6kW/ 15.2kW	9.6kW+9.6kW/ 19.2kW	11.5kW+11.5kW/ 23kW	11.5kW+11.5kW/ 23kW
User Interface & Control	Display	7" LCD Screen			
	LED Indicator	Yes			
	Push Buttons	Restart Button			
	User Authentication	RFID (ISO/IEC14443 A/B), APP			
Communication	Network Interface	LAN, Wi-Fi and Bluetooth Standard, 3G/4G Optional			
	Communication Protocol	OCPP1.6 J/OCPP2.0.1 Upgradeable			
	Communication Function	ISO/IEC 15118 Optional			
Environmental	Operation Temperature	-22°F~122°F			
	Humidity	5%~95% RH, Non-condensing			
	Altitude	≤6562ft(2000m), No Derating			
Mechanical	IP/IK Level	NEMA Type3R(IP66)/IK10			
	Cabinet Dimension (WxDxH)	12.32" × 6.18" × 17.76"(313mm×157mm×451mm)			
	Weight	22.05lbs(10kgs)			
	Cable & Plug	Type 1 or NACS 18ft(5.5m)(Standard)/25ft(7.5m)(Optional)			
Protection	Multiple Protection	OVP(Over Voltage Protection), OCP(Over Current Protection), OTP(Over Temperature Protection), UVP(Under Voltage Protection), SPD(Surge Protection Detection), Grounding Protection, SCP(Short Circuit Protection), Control Pilot Fault, Relay Welding Detection, CCID Self-test			
Regulation	Safety	UL 2594, UL2231-1/-2			
	Certificate	ETL, FCC			
	Charging Interface	SAE J1772 Type 1/ NACS			

DC40/60KW



Model Name		L3D-DC40KW	L3D-DC60KW
Power Input	Phases /Lines	3P+PE+N	
	Voltage	3P 480Vac(±10%)	
	Frequency	45-65Hz	
Power Output	Charging Outlet	2*CCS1/2*NACS/CCS1+NACS	
	Voltage(DC)	200~1000V	
	Current(Max)	125A	200A
	Power(Max)	20kW +20kW/40kW	30kW + 30kW/60kW
Main Parameter	Cable Length	Standard: 18ft; Option:25ft	
	Dimension(WxDxH)	580mm × 250mm × 770mm(22.83' × 9.84" × 30.32")	
	Weight	165.76lbs	
	LED Indicator	Yes	
	HMI	7" Touch Screen	
	Payment Mode	Standard: RFID Card (IC Card); Option: POS machine (debit/credit card, IC card)	
	Efficiency	>95%	
	Power Factor	>0.98 (50%~100% load)	
	Harmonics	ITHD < 5%	
	MCCB	Overload, short circuit, undervoltage protection and residual current protection	
	Emergency Button	Yes	
Communication	Charger v.s. EV	PLC (DIN 70121: 2012/ISO15118-2: 2013)	
	Communication Protocol	OCPP1.6 J	
	Network Interface	3G-4G (SIM card)/Ethernet	
	Interface	CAN Bus/RS485	
Environmental Index	Operation Temperature	-22°F~122°F, will derating from 131°F or above	
	Working Humidity	5%~95% without condensation	
	Working Altitude	<6561.68ft, No Derating	
	Protection Grade	IP54/IK10 (except LCD Screen)	
	Application Scene	Indoor/outdoor	
	Cooling Method	Independing Fan Cooling	
Safety Protection	Noise	<55dB	
	Multiple Protection	Over/under voltage protection, overload protection, short circuit protection, over temperature protection, grounding protection, surge protection	
Certification	ETL is in processing	Conform to UL 2594, UL2231-1/-2	

DC60/80KW



Model Name		DC60KW	DC80KW	DC120KW	DC160KW	DC180KW	DC240KW
Power Input	Phases /Lines	3P+PE+N					
	Voltage	3P 480Vac(±10%)					
	Frequency	45-65Hz					
Power Output	Charging Outlet	Single plug: CCS1 or NACS Dual plug: 2*CCS1/2*NACS/ CCS1+NACS					
	Voltage(DC)	200~1000V					
	Current(Max)	200A					
	Power(Max)	30kW+30kW/ 60kW	40kW+40kW/ 80kW	60kW+60kW/ 120kW	80kW+80kW/ 160kW	90kW+90kW/ 180kW	120kW+120kW/ 240kW
Main Parameter	Cable Length	Standard: 18ft; Option: 19.69~32.81ft					
	Dimension(WxDxH)	800mm × 500mm × 1800mm(31.50" × 19.69" × 70.87")					
	Weight	551.16lbs					
	LED Indicator	Yes					
	HMI	7" Touch Screen					
	Payment Mode	Standard: RFID Card (IC Card); Option: POS machine (debit / credit card, IC card)					
	Energy Meter	MID Standard					
	Efficiency	> 95%					
	Power Factor	> 0.98(50%~100% load)					
	Harmonics	iTHD < 5%					
	MCCB	Overload, short circuit, undervoltage protection and residual current protection					
	Emergency Button	Yes					
	Cable Management System	Optional					
Communication	Charger v.s. EV	PLC(DIN 70121: 2012/ISO15118-2: 2013)					
	Communication Protocol	OCPP1.6 J / OCPP2.0.1					
	Network Interface	Wifi / 3G-4G(SIM card) / Ethernet					
	Interface	CAN Bus / RS485					
Environmental Index	Operation Temperature	-22°F~122°F, will derating from 131°F or above					
	Working Humidity	5%~95% without condensation					
	Working Altitude	< 6561.68ft No Derating					
	Protection Grade	NEMA Type3(IP54) / IK10					
	Application Scene	Indoor / outdoor					
	Cooling Method	Independing Fan Cooling					
Safety Protection	Noise	< 55dB					
	Multiple Protection	Over/under voltage protection, overload protection, short circuit protection, over temperature protection, grounding protection, surge protection					
Certification	ETL is in processing	UL 2594, UL2231-1/-2					