

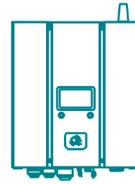
# Total Charging Solution Provider



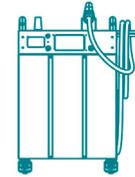
AW Series



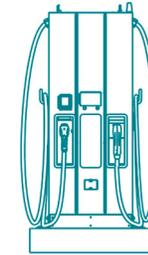
AX Series



DW Series



DM Series



DS Series  
60kW



Residential



Retail  
Shopping Center  
Hospitality



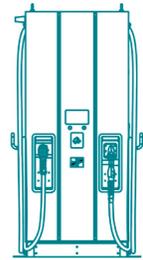
Working Place  
Commercial Building  
Parking Operators



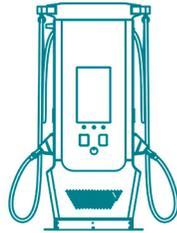
Fleets



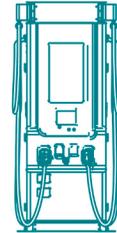
Gas Station



**DS Series**  
90-180 kW



**DT Series**



**XPS Series**



**DO Series**

or

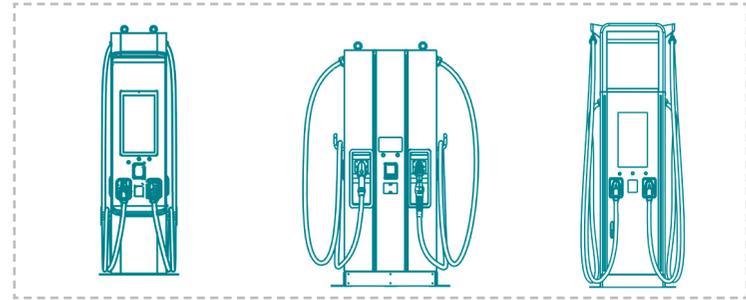


**DB Series**

or



**DZ Series**



**DA Series**

**DD Series 3.0**

**DD Series 3.5**



**Residential**



**Retail  
Shopping Center  
Hospitality**



**Working Place  
Commercial Building  
Parking Operators**



**Fleets**

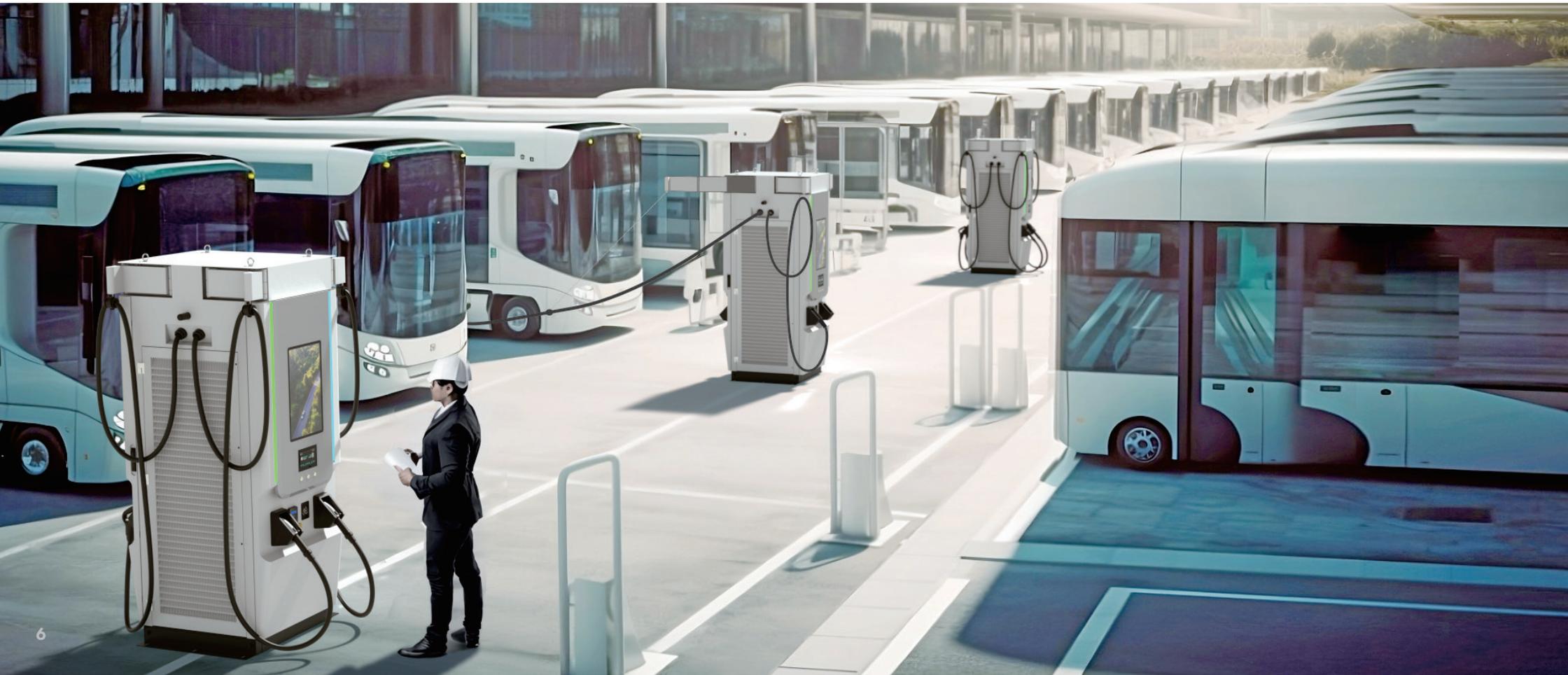


**Gas Station**



# XPS

Modular: 360kW – 480kW  
Use Case: Fleet, Workplace  
or Public Charging



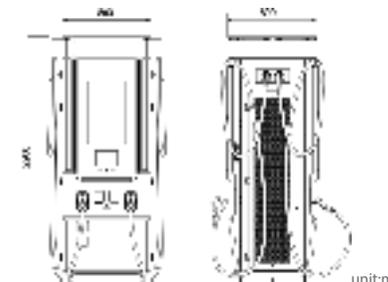
# SPECIFICATION

Model Name

**XPS 480**

	unit	CE/ CNS/ TR25	UL	
AC Input	Input Voltage	V	3Φ_400 Vac, ±10% (50/60Hz)	
	Input Current Rating	A	Max: 836	
	Max. Input Power	kVA	520	
	Connection/ Power Grid System	-	3P+ N+ PE , TN/TT	
	Power factor	X	>0.99	
	Efficiency	%	>96%	
DC Output	Output Voltage	V	950	
	Simultaneous output	-	Dynamic Distribute	
	Current	A	CCS liquid cooled 500A, CCS1 air cooled 350A/375A, CCS2 air cooled 300A NACS 350A / 375A, CHAdeMO 200A / 125A	
Mechanical	Dimension (W x D x H)	mm/inch	800 x 800 x 2200 mm	
	Weight(+/-3%)	kg/lbs	900 kg	
	Cable length	m/ft	Standard:4.5 m	
Environment	Operating Temperature	°C / °F	-30~50°C	
	Humidity	%	5~95%	
	Altitude	m/ft	≤2000m	
Compliance	IP/IK ratings	-	IP55   IK10 (HMI IK8)	
	EMC/EMI	-	IEC.61851-21-2   CNS 15511-21-2	
	Safety	-	IEC.61851-1. IEC.61851-23   CNS 15511-1 CNS 15511-23	
Protection	Input	-	OVP, UVP, OCP, OPP, OTP, SPD, RCD	
	Output	-	OCP, SCP, OVP, LVP, OTP, IMD	
User Interface & Control	Backend Support	-	OCPP 1.6 JSON,OCPP 2.0.1 core profile *Simultaneously connect to client & maintenance server	
	Display	inch	21.5 & 7	
	User Authentication	-	QR code, RFID, Payment Card (Optional)	
Communication	External	-	4G/ Wi-Fi/ Ethernet (RJ45) *Option:Wi-Fi or dual 4G	

CE/CB (Europe)



NRTL/cETLus (US/Canada)



unit:mm



Our EV charger is thoughtfully designed to be ADA-friendly, featuring an ergonomic usage height that bridges the gap between people and technology.

# DT

Modular: 160kW/200kW/240kW  
Use Case: Fleet or Public  
Charging



# SPECIFICATION

Model Name	DT 240
------------	--------

	unit	CE/ CNS/ TR25	UL	
AC Input	Input Voltage	V	3Φ_380~415Vac, ±15% (50/60hz)	3Φ_480Vac, +10%, -15% (50/60hz)
	Input Current Rating	A	Max: 460	Nominal: 310
	Max. Input Power	kVA	261	261
	Connection/ Power Grid System	-	3P+ N+ PE , TN/TT	
	Power factor	X	>0.99	
	Efficiency	%	>94	
DC Output	Output Voltage	V	200 ~ 950	
	Simultaneously output mode	-	Dynamic Distribute	
	Current	A	CCS liquid cooled 500A, CCS air cooled 300A/375A CHAdeMO 200A /125A NACS 380A	
Mechanical	Dimension (W x D x H)	mm/inch	892 x 660 x 2200 mm (with CMS)	35 x 26 x 87 inch (with CMS)
	Weight(+/-3%)	kg/lbs	765 kg	1686 lbs
	Cable length	m/ft	Standard:4.5 m	Standard:15 ft
Environment	Operating Temperature	°C / °F	-30~50°C	-22~122°F
	Humidity	%	5~95%	
	IP/IK ratings	-	IP55   IK10 (HMI IK8)	NEMA 3R   IK10 (HMI IK8)
Compliance	EMC/EMI	-	IEC.61851-21-2   CNS 15511-21-2	FCC Part 15 Subpart B ICES-003
	Safety	-	IEC.61851-1. IEC.61851-23   CNS 15511-1 CNS 15511-23	UL 2202 UL 2231
Protection	Input	-	OVP, UVP, OCP, OPP, OTP, SPD, RCD	OVP, UVP, OCP, OPP, OTP, SPD
	Output	-	OCP, SCP, OVP, LVP, OTP, IMD	
User Interface & Control	Backend Support	-	OCPP 1.6 JSON,OCPP 2.0.1 core profile *Simultaneously connect to client & maintenance server	
	Display	inch	21.5	
	User Authentication	-	QR code, RFID, Payment Card (Optional)	
Communication	External	-	4G/ Wi-Fi/ Ethernet (RJ45) *Option:Wi-Fi or dual 4G	



Unit: mm



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# DS

**Modular:** 60kW/90kW/  
120kW/150kW/180kW

**Use Case:** Fleet, Workplace  
or Public Charging



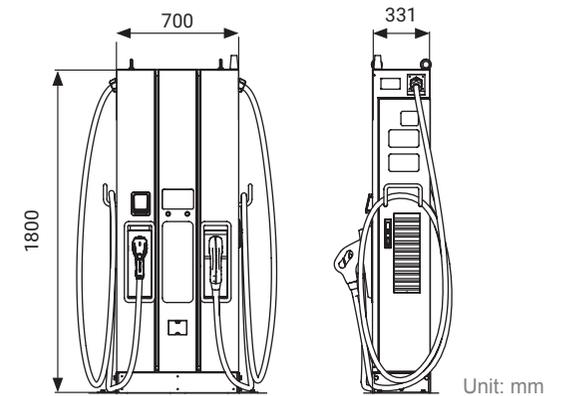
# SPECIFICATION

Model Name **DS 60**

	unit	CE	UL	
AC Input	Input Voltage	X	3Φ_380~415Vac, ±15% (50/60hz)	3Φ_480Vac, +10%, -15% (50/60hz)
	Input Current Rating	A	Max:115	Nominal:78
	Max. Input Power	kVA	65	65
	Connection/ Power Grid System	-	3P+ N+ PE , TN/TT	
	Power factor	X	>0.99	
	Efficiency	%	>94	
DC Output	Output Voltage	V	150 ~ 950	
	Simultaneously output	-	Balance Distribute	
	Current	A	CCS2 air cooled 150, CCS1 air cooled 120A CHAdEMO 120A, GB 120A, NACS 120A	
Mechanical	Dimension (W x D x H)	mm/inch	700 x 331 x 1800 mm	28 x 13 x 71 inch
	Weight(+/-3%)	kg/lbs	235 kg	518 lbs
	Cable length	m/ft	4	13
Environment	Operating Temperature	°C / °F	-30~50°C	-22~122°F
	Humidity	%	5~95%	
	IP/IK ratings	-	IP55   IK10 (HMI IK8)	NEMA 3R   IK10 (HMI IK8)
Compliance	EMC/EMI	-	IEC.61851-21-2	FCC Part 15 Subpart B ICES-003
	Safety	-	IEC.61851-1. IEC.61851-23	UL 2202 UL 2231
Protection	Input	-	OVP, UVP, OCP, OPP, OTP, SPD, RCD	OVP, UVP, OCP, OPP, OTP, SPD
	Output	-	OCR, SCP, OVP, LVP, OTP, IMD	
User Interface & Control	Backend Support	-	OCPP 1.6 JSON,OCPP 2.0.1 core profile *Simultaneously connect to client & maintenance server	
	Display	inch	7	
	User Authentication	-	QR code, RFID, Payment Card (Optional)	
Communication	External	-	4G/ Wi-Fi/ Ethernet (RJ45)	

## Cable Management

For information on the optional charging pedestal, please refer to the accessory section on page 93.



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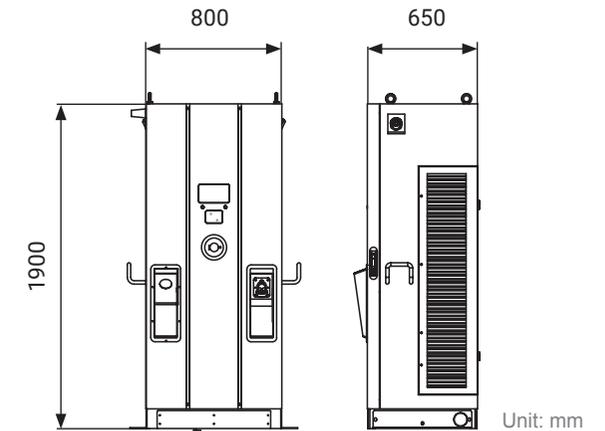
# SPECIFICATION

Model Name **DS 90**

		unit	CE/ CNS/ TR25	UL
AC Input	Input Voltage	X	3Φ_380~415Vac, ±15% (50/60hz)	3Φ_480Vac, +10%, -15% (50/60hz)
	Input Current Rating	A	Max:173	Nominal:116
	Max. Input Power	kVA	98	98
	Connection/ Power Grid System	-	3P+ N+ PE , TN/TT	
	Power factor	X	>0.99	
	Efficiency	%	>94	
DC Output	Output Voltage	V	150 ~ 950	
	Simultaneously output	-	Dynamic distribution	
	Current	A	CCS air cooled 300A/375A CHAdeMO 125A, NACS 380A	
Mechanical	Dimension (W x D x H)	mm/inch	800x650x1900 mm	32 x 26 x 75 inch
	Weight(+/-3%)	kg/lbs	480 kg	1058 lbs
	Cable length	m/ft	Standard:4.5(Optional: 6.5 or 7)	Standard:15 (Optional: 22 or 23)
Environment	Operating Temperature	°C / °F	-30~50°C	-22~122°F
	Humidity	%	5~95%	
	IP/IK ratings	-	IP55   IK10 (HMI IK8)	NEMA 3R   IK10 (HMI IK8)
Compliance	EMC/EMI	-	IEC.61851-21-2   CNS 15511-21-2	FCC Part 15 Subpart B ICES-003
	Safety	-	IEC.61851-1. IEC.61851-23	CNS 15511-1 CNS 15511-23
Protection	Input	-	OVP, UVP, OCP, OPP, OTP, SPD, RCD	OVP, UVP, OCP, OPP, OTP, SPD
	Output	-	OCP, SCP, OVP, LVP, OTP, IMD	
User Interface & Control	Backend Support	-	OCPP 1.6 JSON,OCPP 2.0.1 core profile *Simultaneously connect to client & maintenance server	
	Display	inch	7	
	User Authentication	-	QR code, RFID, Payment Card (Optional)	
Communication	External	-	4G/ Wi-Fi/ Ethernet (RJ45) *Option:Wi-Fi or dual 4G	

## Cable Management

For information on the optional charging pedestal, please refer to the accessory section on page 93.



Our EV charger is thoughtfully designed to be ADA-friendly, featuring an ergonomic usage height that bridges the gap between people and technology.

SPECIFICATION

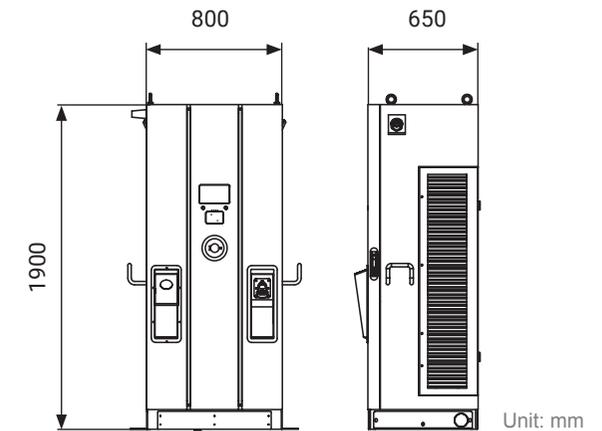
# SPECIFICATION

Model Name **DS 120**

	unit	CE/ CNS/ TR25	UL	
AC Input	Input Voltage	X	3Φ_380~415Vac, ±15% (50/60hz)	
	Input Current Rating	A	Max:230	
	Max. Input Power	kVA	130	
	Connection/ Power Grid System	-	3P+ N+ PE , TN/TT	
	Power factor	X	>0.99	
	Efficiency	%	>94	
DC Output	Output Voltage	V	150 ~ 950	
	Simultaneously output	-	Dynamic distribution	
	Current	A	CCS air cooled 300A/375A CHAdeMO 125A, NACS 380A	
Mechanical	Dimension (W x D x H)	mm	800x650x1900 mm	
	Weight(+/-3%)	kg/lbs	500 kg	
	Cable length	m/ft	Standard: 4.5 m	
Environment	Operating Temperature	°C / °F	-30~50°C	
	Humidity	%	5~95%	
	IP/IK ratings	-	IP55   IK10 (HMI IK8)	
Compliance	EMC/EMI	-	IEC.61851-21-2 CNS 15511-21-2	
	Safety	-	IEC.61851-1. IEC.61851-23 CNS 15511-1 CNS 15511-23	
Protection	Input	-	OVP, UVP, OCP, OPP, OTP, SPD, RCD	
	Output	-	OCP, SCP, OVP, LVP, OTP, IMD	
User Interface & Control	Backend Support	-	OCPP 1.6 JSON,OCPP 2.0.1 core profile *Simultaneously connect to client & maintenance server	
	Display	inch	7	
	User Authentication	-	QR code, RFID, Payment Card (Optional)	
Communication	External	-	4G/ Wi-Fi/ Ethernet (RJ45) *Option:Wi-Fi or dual 4G	

## Cable Management

For information on the optional charging pedestal, please refer to the accessory section on page 93.



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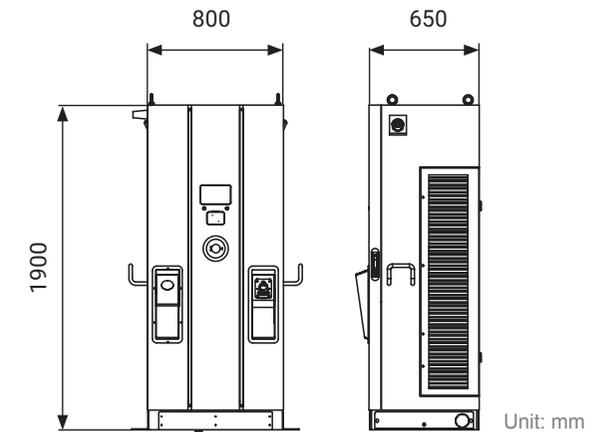
# SPECIFICATION

Model Name **DS 150**

	unit	CE/ CNS/ TR25	UL
AC Input	Input Voltage	X	3Φ_380~415Vac, ±15% (50/60hz)
	Input Current Rating	A	Max: 289
	Max. Input Power	kVA	163
	Connection/ Power Grid System	-	3P+ N+ PE , TN/TT
	Power factor	X	>0.99
	Efficiency	%	>94
DC Output	Output Voltage	V	150 ~ 950
	Simultaneously output	-	Dynamic distribution
	Current	A	CCS air cooled 300A/375A CHAdeMO 200A /125A, NACS 350A/375A
Mechanical	Dimension (W x D x H)	mm	800x650x1900 mm
	Weight(+/-3%)	kg/lbs	510 kg
	Cable length	m/ft	Standard:4.5 m
Environment	Operating Temperature	°C / °F	-30~50°C
	Humidity	%	5~95%
	IP/IK ratings	-	IP55   IK10 (HMI IK8)
Compliance	EMC/EMI	-	IEC.61851-21-2 CNS 15511-21-2
	Safety	-	IEC.61851-1, IEC.61851-23 CNS 15511-1 CNS 15511-23
Protection	Input	-	OVP, UVP, OCP, OPP, OTP, SPD, RCD
	Output	-	OCP, SCP, OVP, LVP, OTP, IMD
User Interface & Control	Backend Support	-	OCPP 1.6 J2013,OCPP 2.0.1 core profile *Simultaneously connect to client & maintenance server
	Display	inch	7
	User Authentication	-	QR code, RFID, Payment Card (Optional)
Communication	External	-	4G/ Wi-Fi/ Ethernet (RJ45) *Option:Wi-Fi or dual 4G

## Cable Management

For information on the optional charging pedestal, please refer to the accessory section on page 93.



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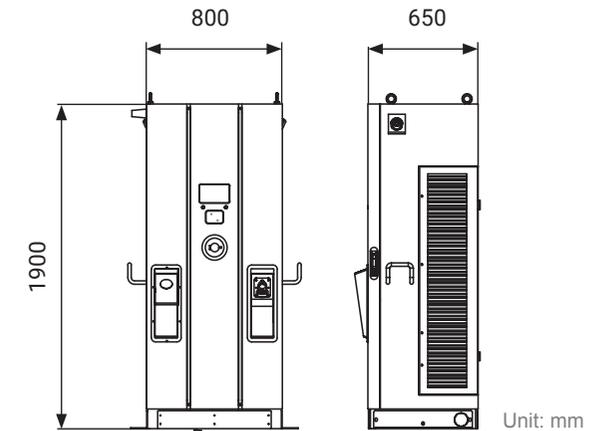
# SPECIFICATION

Model Name **DS 180**

	unit	CE/ CNS/ TR25	UL
AC Input	Input Voltage	X 3Φ_380~415Vac, ±15% (50/60hz)	3Φ_480Vac, +10%, -15% (50/60hz)
	Input Current Rating	A Max: 345	Nominal: 233
	Max. Input Power	kVA 196	196
	Connection/ Power Grid System	-	3P+ N+ PE , TN/TT
	Power factor	X	>0.99
	Efficiency	%	>94
DC Output	Output Voltage	V	150 ~ 950
	Simultaneously output mode	-	Dynamic distribution
	Current	A	CCS air cooled 300A/375A CHAdeMO 125A, NACS 380
Mechanical	Dimension (W x D x H)	mm 800x650x1900 mm	32 x 26 x 75 inch
	Weight(+/-3%)	kg/lbs 540 kg	1190 lbs
	Cable length	m/ft Standard:4.5 m	Standard:15 ft
Environment	Operating Temperature	°C / °F -30~50°C	22~122°F
	Humidity	%	5~95%
	IP/IK ratings	-	IP55   IK10 (HMI IK8) NEMA 3R   IK10 (HMI IK8)
Compliance	EMC/EMI	-	IEC.61851-21-2 CNS 15511-21-2 FCC Part 15 Subpart B ICES-003
	Safety	-	IEC.61851-1, IEC.61851-23 CNS 15511-1 CNS 15511-23 UL 2202 UL 2231
Protection	Input	-	OVP, UVP, OCP, OPP, OTP, SPD, RCD OVP, UVP, OCP, OPP, OTP, SPD
	Output	-	OCP, SCP, OVP, LVP, OTP, IMD
User Interface & Control	Backend Support	-	OCPP 1.6 JSON,OCPP 2.0.1 core profile *Simultaneously connect to client & maintenance server
	Display	inch	7
	User Authentication	-	QR code, RFID, Payment Card (Optional)
Communication	External	-	4G/ Wi-Fi/ Ethernet (RJ45) *Option:Wi-Fi or dual 4G

## Cable Management

For information on the optional charging pedestal, please refer to the accessory section on page 93.



Our EV charger is thoughtfully designed to be ADA-friendly, featuring an ergonomic usage height that bridges the gap between people and technology.

DZ

Modular: 300kW – 360W  
Use Case: Fleet or Public  
Charging

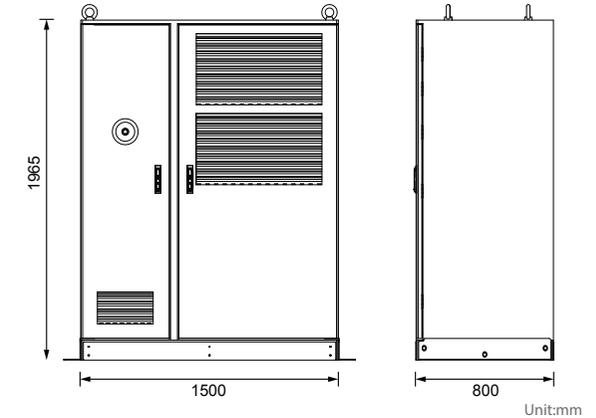


# SPECIFICATION

Model Name

DZ 480

	unit	CE	UL	
AC Input	Input Voltage	V	3Φ380 ~ 415Vac (+/-15%) 50/60HZ	3Φ480Vac (+10%,-15%) 50/60HZ
	Input Current Rating	A	Max: 920	Nominal: 621
	Max. Input Power	kVA	522	522
	Wiring connection/ Power Grid System	-	3P+ N+ PE, TN/TT	
	Power factor	X	>0.99	
	Efficiency	%	>94	
DC Output	Output Voltage	V	200 ~ 1000	
	Max Power	kW	480	
Mechanical	Dimension (W x D x H)	mm/inch	1500 x 800 x 1965 mm	59.06 x 31.50x 77.36 inch
	Weight	kg/lbs	1300 kg	2866 lbs
Environment	Operating Temperature	°C / °F	-30~50°C	-22~122°F
	Humidity	%	5~95% RH, non-condensing	
	IP/IK ratings	-	IP55   IK10	NEMA 3R   IK10
Compliance	EMC/EMI	-	IEC.61851-21-2	FCC Part 15 SubpartB ICES-003
	Safety	-	IEC.61851-1. IEC.61851-23	UL 2202 UL 2231
Protection	Input	-	OVP, UVP, OCP, OPP, OTP, SPD, RCD	OVP, UVP, OCP, OPP, OTP, SPD
	Output	-	OCP, SCP, OVP, LVP, OTP, IMD	
User Interface & Control	Backend Support	-	OCPP 1.6 J2013, OCPP 2.0.1 core profile *Simultaneously connect to client & maintenance server	
Communication	External	-	4G/ Wi-Fi/ Ethernet (RJ45)	



# DO

Modular: 300kW – 360W  
Use Case: Fleet or Public  
Charging

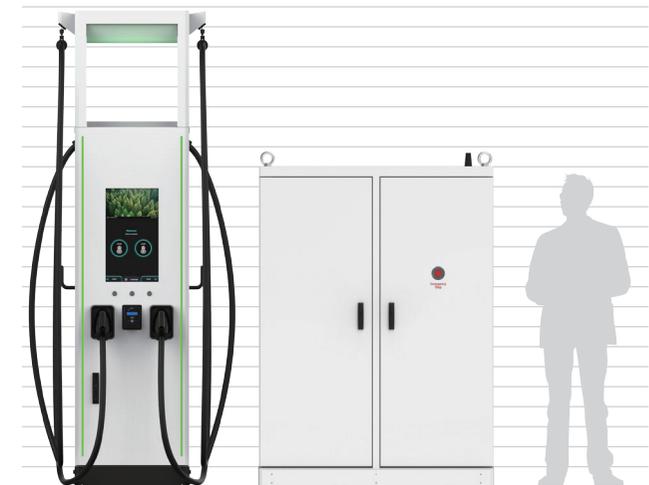
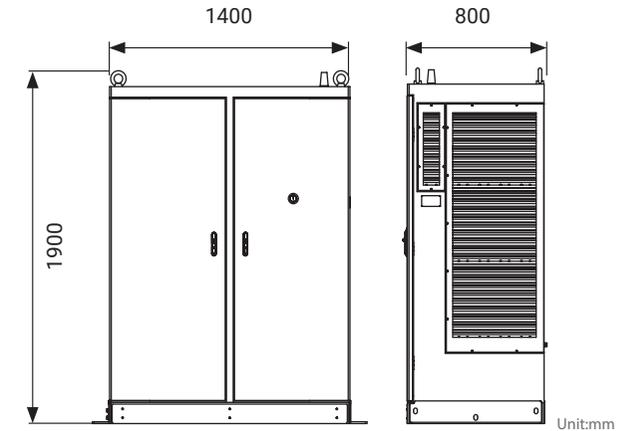


# SPECIFICATION

Model Name

DO 360

	unit	CE/ CNS	UL	
AC Input	Input Voltage	V	3Φ380 ~ 415Vac (+/-15%) 50/60HZ	3Φ480Vac (+10%,-15%) 50/60HZ
	Input Current Rating	A	Max:690	Nominal:466
	Max. Input Power	kVA	391	391
	Wiring connection/ Power Grid System	-	3P+ N+ PE, TN/TT	
	Power factor	X	>0.99	
	THDI	%	< 5	
DC Output	Output Voltage	V	150 ~950	
	Power	kW	360	
	Simultaneously output mode	-	Dynamic distribution	
Mechanical	Dimension (W x D x H)	mm/inch	1400 x 800 x 1900 mm	55.12 x 31.50 x 74.80 inch
	Weight	kg/lbs	905 kg	1995 lbs
Environment	Operating Temperature	°C / °F	-30~50°C	-22~122°F
	Humidity	%	5~95% RH, non-condensing	
	IP/IK ratings	-	IP55   IK10	NEMA 3R   IK10
Compliance	EMC/EMI	-	IEC.61851-21-2   CNS 15511-21-2	FCC Part 15 SubpartB ICES-003
	Safety	-	IEC.61851-1. IEC.61851-23	CNS 15511-1 CNS 15511-23
Protection	Input	-	OVP, UVP, OCP, OPP, OTP, SPD, RCD	OVP, UVP, OCP, OPP, OTP, SPD
	Output	-	OCP, SCP, OVP, LVP, OTP, IMD	
User Interface & Control	Backend Support	-	OCPP 1.6 JSON,OCPP 2.0.1 core profile *Simultaneously connect to client & maintenance server	
Communication	External	-	4G/ Wi-Fi/ Ethernet (RJ45)	



DD

Supporting DO and DZ Satellite Systems

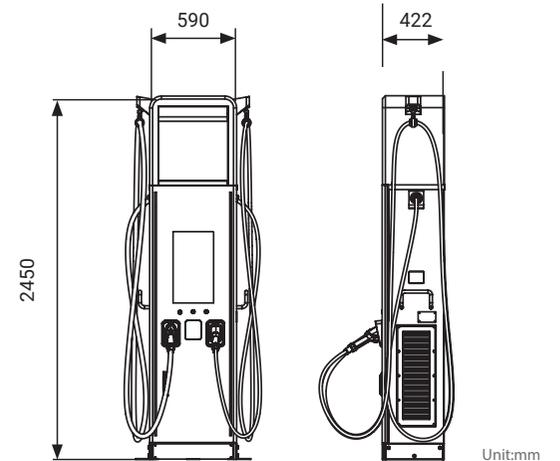
Use Case: Fleet, Workplace or Public Charging



# SPECIFICATION

Model Name **DD 360 3.5**

	unit	CE/ CNS	UL	
AC Input	Input Voltage	V	1φ220 Vac ~ 240Vac ,+/-15% ( 50/60 Hz)	1φ277Vac +10%,-15% (50/60Hz)
	Input Current Rating	A	Max: 8.04	Nominal: 5.48
	Connection/ Power Grid System	-	1P+ N+ PE , TN/TT	
DC Output	Output Voltage	V	150 ~ 950	
	Current	A	CCS liquid cooled:500A CCS air cooled:250A/300A CHAdeMO:200A	CCS liquid cooled:500A CCS air cooled:300A/375A NACS air cooled 380A CHAdeMO:200A
Mechanical	Dimension (W x D x H)	mm/inch	W/O CMS 590 x 421 x 1850 mm W CMS 590 x 421 x 2450 mm	W/O CMS 23 x 17 x 73 inch W CMS 23 x 17 x 97 inch
	Weight	kg/lbs	265 kgs	584 lbs
	Cable length	m/ft	Liquid cooled: >4 Air cooled: >4.5	Liquid cooled: >13 Air cooled: >15
Environment	Operating Temperature	°C / °F	-30~50°C	-22~122°F
	Humidity	%	5~95% RH, non-condensing	
	IP/IK ratings	-	IP55   IK10 (HMI IK8)	NEMA 3R   IK10 (HMI IK8)
Compliance	EMC/EMI	-	IEC.61851-21-2   CNS 15511-21-2	FCC Part 15 SubpartB ICES-003
	Safety	-	IEC.61851-1, IEC.61851-23   CNS 15511-1 CNS 15511-23	UL 2202 UL 2231
Protection	Input	-	OVP, UVP, OCP, OPP, OTP, SPD, RCD	OVP, UVP, OCP, OPP, OTP, SPD
	Output	-	OCP, SCP, OVP, LVP, OTP, IMD	
User Interface & Control	Backend Support	-	OCPP 1.6 JSON,OCPP 2.0.1 core profile *Simultaneously connect to client & maintenance server	
	Display	inch	21.5 (Touch Screen)	
	User Authentication	-	QR code, RFID, Payment Card (Optional)	
Communication	External	-	Ethernet (RJ 45)	



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DD

Supporting DO and DZ Satellite  
Systems

Use Case: Fleet or Public  
Charging



# SPECIFICATION

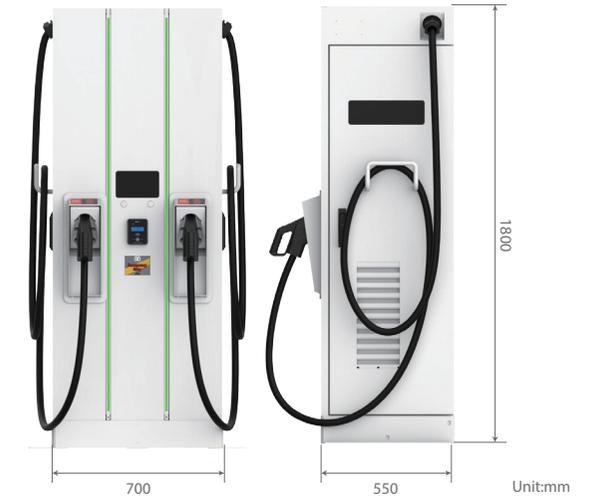
Model Name

DD 360

	unit	CE/ CNS	UL
AC Input	Input Voltage	X	1Φ220 VAC ~ 240Vac ,+/-15% (50/60 Hz)
	Input Current Rating	A	Max :7.1
	Connection/ Power Grid System	-	1P+ N+ PE , TN/TT
DC Output	Output Voltage	V	150 ~ 950 VDC
	Current	A	CCS liquid cooled:500A CCS air cooled:250A/300A CHAdeMO:200A
Mechanical	Dimension (W x D x H)	mm/inch	700 x 550 x 1800 mm
	Weight	kg/lbs	355 kg
	Cable length	m/ft	Liquid cooled: >4 Air cooled: >4.5
Environment	Operating Temperature	°C / °F	-30~50°C
	Humidity	%	5~95% RH, non-condensing
	IP/IK ratings	-	IP55   IK10 (HMI IK8)
Compliance	EMC/EMI	-	IEC.61851-21-2
	Safety	-	IEC.61851-1. IEC.61851-23
Protection	Input	-	OVP, UVP, OCP, OPP, OTP, SPD, RCD
	Output	-	OCP, SCP, OVP, LVP, OTP, IMD
User Interface & Control	Backend Support	-	OCPP 1.6 JSON,OCPP 2.0.1 core profile *Simultaneously connect to client & maintenance server
	Display	inch	7
	User Authentication	-	QR code, RFID, Payment Card (Optional)
Communication	External	-	Ethernet (RJ 45)

## Cable Management

For information on the optional charging pedestal, please refer to the accessory section on page 93.



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# DA

Supporting DO and DZ Satellite  
Systems

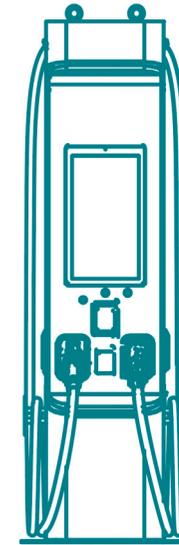
Use Case: Public Charging



# SPECIFICATION

Model Name **DA 480**

	unit	CE	UL	
AC Input	<b>Input Voltage</b>	V	1Φ220Vac ~ 240Vac ,+/-15% (50/60 Hz)	1Φ277Vac +10%,-15% (50/60Hz)
	<b>Input Current Rating</b>	A	Max:13.89	Nominal:10.04
	<b>Connection/ Power Grid System</b>	-	1P+ N+ PE , TN/TT	
DC Output	<b>Output Voltage</b>	V	150 ~ 950 VDC	
	<b>Current</b>	A	CCS liquid cooled:500A CCS air cooled:250A/300A CHAdeMO:200A	CCS liquid cooled:500A CCS air cooled:300A/375A NACS air cooled 380A CHAdeMO:200A
Mechanical	<b>Dimension (W x D x H)</b>	mm/inch	1160 x 470 x 2000 mm	46 x 19 x 79 inch
	<b>Weight(+/-3%)</b>	kg/lbs	475 kg	1047 lbs
	<b>Cable length</b>	m/ft	Liquid cooled: >4 Air cooled: >4.5	Liquid cooled: >13 Air cooled: >15
Environment	<b>Operating Temperature</b>	°C / °F	-30~50°C	-22~122°F
	<b>Humidity</b>	%	5~95% RH, non-condensing	
	<b>IP/IK ratings</b>	-	IP55   IK10 (HMI IK8)	NEMA 3R   IK10 (HMI IK8)
Compliance	<b>EMC/EMI</b>	-	IEC.61851-21-2	FCC Part 15 SubpartB ICES-003
	<b>Safety</b>	-	IEC.61851-1. IEC.61851-23	UL 2202 UL 2231
Protection	<b>Input</b>	-	OVP, UVP, OCP, OPP, OTP, SPD, RCD	OVP, UVP, OCP, OPP, OTP, SPD
	<b>Output</b>	-	OCP, SCP, OVP, LVP, OTP, IMD	
User Interface & Control	<b>Backend Support</b>	-	OCPP 1.6 JSON,OCPP 2.0.1 core profile *Simultaneously connect to CENTRAL Server & MAINTENACE Server	
	<b>Display</b>	inch	50" X 2 (Media Display) & 21.5" x1 (Touch Screen)	
	<b>User Authentication</b>	-	QR code, RFID, Payment Card (Optional)	
Communication	<b>External</b>	-	4G/ Wi-Fi/ Ethernet (RJ45)	



Unit:mm



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Supporting DO and DZ Satellite Systems

**Use Case:** Fleet or Public Charging



# SPECIFICATION

SPECIFICATION

		unit	CE/CNS/TR25	UL
AC Input	Input Voltage	V	1P_220Vac ,+/-15% ( 50/60 Hz)	1P_277VVac +10%, -15% (50/60Hz)
	Input Current Rating	A	220Vac / 3.45A	277Vac / 2.74A
	Connection/ Power Grid System	-	1P+ N+ PE , TN/TT	
DC Output	Output Voltage	V	DO: 150 ~ 950 Vdc DZ: 200 ~ 950 Vdc	
	Current	A	Option 1: 250A boost to 350A Option 2: 400A	
Mechanical	Dimension (W x D x H)	mm/inch	700 x 550 x 1800	28 x 222 x 71
	Weight	kg/lbs	355	782
	Cable length	m/ft	250A: 7m or 9m; 400A: 8m	250A: 23ft or 30ft; 400A: 27ft
Environment	Operating Temperature	°C / °F	-30~50°C	-22~122°F
	Humidity	%	5~95% RH, non-condensing	
	IP/IK ratings	-	IP55   IK10 (HMI IK8)	NEMA 3R   IK10 (HMI IK8)
Regulations	EMC/EMI	-	IEC.61851-21-2   CNS 15511 -21-2	FCC Part 15 Subpart B ICES-003
	Safety	-	IEC.61851-1, IEC.61851-23   CNS 15511 -1 CNS 15511 -23	UL2202, UL2231
Protection	Input	-	OVP, UVP, OCP, OPP, OTP, SPD, RCD	OVP, UVP,OCP, OPP, OTP, SPD
	Output	-	OCP,SCPOVP, LVP, OTP,IMD	
User Interface & Control	Backend Support	-	OCPP 1.6 JSON,OCPP 2.0.1 core profile ★Simultaneously connect to client & maintenance server	
	Display	“		
	User Authentication	-	QR Code, RFID, Payment Card (Optional)	
Communication	External	-	CAN / RS485, Ethernet	



# DM

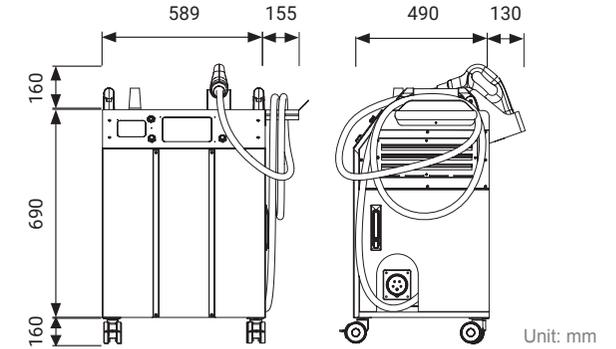
Movable 30kW  
Use Case: Fleet



# SPECIFICATION

Model Name **DM 30**

	unit	CE/ CNS/ TR25	UL
AC Input	Input Voltage	X 3Φ_380~415Vac, ±15% (50/60hz)	3Φ_480Vac, +10%, -15% (50/60hz)
	Input Current Rating	A Max: 47	Nominal: 40
	Max. Input Power	kVA 33	33
	Connection/ Power Grid System	-	3P+ N+ PE , TN/TT
	Power factor	X	>0.99
	Efficiency	%	>94
DC Output	Output Voltage	V	150 ~ 950
	Current	A	CCS2 air cooled 80A, CCS1 air cooled 80A CHAdEMO 80A
Mechanical	Dimension (W x D x H)	mm/inch	589 x 620 x 1010 mm / 23 x 25 x 40 inch
	Weight(+/-3%)	kg/lbs	80 kg / 176 lbs
	Cable length	m/f	4 / 13
Environment	Operating Temperature	°C / °F	-30~50°C / -22~122°F
	Humidity	%	5~95%
	IP/IK ratings	-	IP55   IK10 (HMI IK8) / NEMA 3R   IK10 (HMI IK8)
Compliance	EMC/EMI	-	IEC.61851-21-2 / CNS 15511-21-2 / FCC Part 15 Subpart B ICES-003
	Safety	-	IEC.61851-1, IEC.61851-23 / CNS 15511-1, CNS 15511-23 / UL 2202, UL 2231
Protection	Input	-	OVP, UVP, OCP, OPP, OTP, SPD, RCD / OVP, UVP, OCP, OPP, OTP, SPD
	Output	-	OCP, SCP, OVP, LVP, OTP, IMD
User Interface & Control	Backend Support	-	OCPP 1.6 JSON,OCPP 2.0.1 *Simultaneously connect to client & maintenance server
	Display	inch	7
	User Authentication	-	QR code, RFID, Payment Card (Optional)
Communication	External	-	4G/ Wi-Fi/ Ethernet (RJ45)



## WHEEL

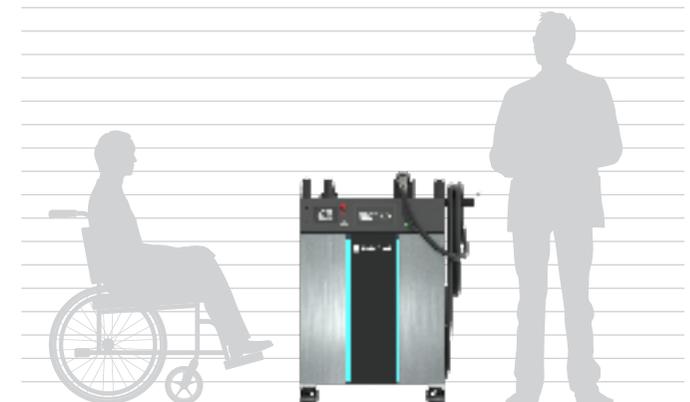


For EU



For US

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# DW

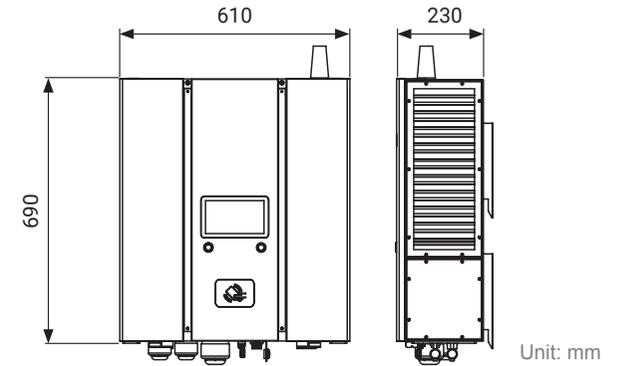
30kW Wall or Pedestal Mount  
Use Case: Fleet, Workplace or  
Public Charging



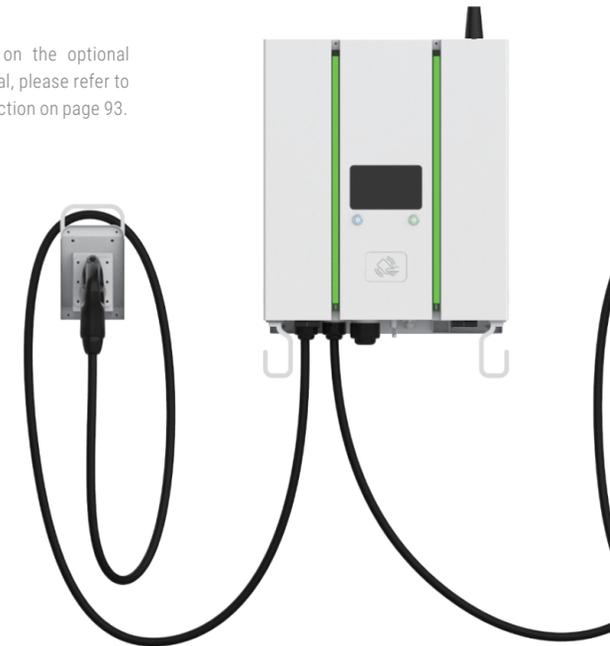
# SPECIFICATION

		unit	CE/ CNS/ TR25		UL
AC Input	Input Voltage	X	3Φ_380~415Vac, ±15% (50/60hz)		3Φ_480Vac, +10%, -15% (50/60hz)
	Input Current Rating	A	Max: 47		Nominal: 40
	Max. Input Power	kVA	33		33
	Connection/ Power Grid System	-	3P+ N+ PE , TN/TT		
	Power factor	X	>0.99		
	Efficiency	%	>94		
DC Output	Max. Output Voltage	V	150 ~ 950		
	Current	A	CCS2 air cooled 80A, CCS1 air cooled 80A CHAdEMO 80A		
Mechanical	Dimension (W x D x H)	mm/inch	610x 230 x 690 mm		24 x 9 x 27 inch
	Weight(+/-3%)	kg/lbs	88 kg		194 lbs
	Cable length	m/ft	4 m		13 ft
Environment	Operating Temperature	°C / °F	-30~50°C		-22~122°F
	Humidity	%	5~95%		
	IP/IK ratings	-	IP55   IK10 (HMI IK8)		NEMA 3R   IK10 (HMI IK8)
Compliance	EMC/EMI	-	IEC.61851-21-2	CNS 15511-21-2	FCC Part 15 Subpart B ICES-003
	Safety	-	IEC.61851-1. IEC.61851-23	CNS 15511-1 CNS 15511-23	UL 2202 UL 2231
Protection	Input	-	OVP, UVP, OCP, OPP, OTP, SPD, RCD		OVP, UVP, OCP, OPP, OTP, SPD
	Output	-	OCP, SCP, OVP, LVP, OTP, IMD		
User Interface & Control	Backend Support	-	OCPP 1.6 JSON,OCPP 2.0.1 core profile *Simultaneously connect to client & maintenance server		
	Display	inch	7		
	User Authentication	-	QR code, RFID, Payment Card (Optional)		
Communication	External	-	4G/ Wi-Fi/ Ethernet (RJ45)		

Model Name **DW 30**



For information on the optional charging pedestal, please refer to the accessory section on page 93.



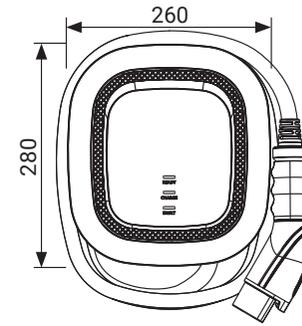
AWW 32



# SPECIFICATION

Model Name **AW 32**

		unit	AW9U770	AW8U770 AWU9U770	AWSE770	AWSC770	AWSJ600001
			UL/ CUL	CE	CNS	JARI	
AC Input	Input Voltage	V	1Φ200-240 Vac, (50/60 Hz)				
	Input current	A	32	32	32	30	
	Connection & Earthing system	-	L, N, PE/ L1, L2, PE, TT/TN				
AC Output	Chip Measurement Accuracy	%	3 %				
	Power Rating	kW	7.7	7.3	7	6	
Mechanical	IP Rating	-	NEMA 3R		IP55		
	Enclosure Rating	-	IK08				
	Dimension(WxHxD)	mm/inch	11x 4 x 11 inch		260 x100 x280 mm		
	Weight	lbs/ kg	11 lbs		5 kg		
	Charging Cable Length	m/ ft	25   16		5   7	5	
Environmental	Operating Temperature	°C	-30°C to +50°C				
	Operating Humidity	%	85%				
	Altitude	m	2000 M				
Compliance	EMC/EMI	-	FCC Part 15 Subpart B ICES-003	IEC.61851-21-2	CNS 15511-21-2	A0001: 2014	
	Safety	-	UL 2594 UL 2231	IEC.61851-1	CNS 15511-1		
Protection	RCD/CCID	-	CCID 20mA	TYPE A +DC6mA	TYPE B	TYPE A	
	Input Side	-	Under Voltage Protection, Over Temp. Protection, Ground Fault Circuit Interrupter, Surge Protection Device				
	Output Side	-	OCP, CCID, CP fault detection				
	Internal	-	OVP				
User Interface & Control	Backend Support	-	OCPP 1.6 J, OCPP 2.0.1				
	Display	inch	none				
	User Authentication	-	RFID, QR code				
	Status Indicator	-	LED (power / connectivity / authorization / charging / error)				
Communication	External	-	Wi-fi+Ethernet Standard/ 4G Optional				



Unit: mm

For information on the optional charging pedestal, please refer to the accessory section on page 93.



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AWW 48

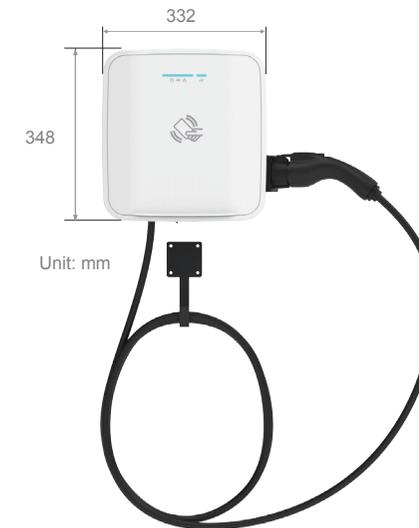


# SPECIFICATION

Model Name

AW 48A

	unit	UL	
AC Input	Input Voltage	V	1Φ200-240 Vac, ±15% (50/60 Hz)
	Input current	A	48
	Connection & Earthing system	-	L, N, PE/ L1, L2, PE, TT/TN
AC Output	Chip Measuring Accuracy	%	<1% (Support external Meter with RS485)
	Power Rating	kW	11
Mechanical	IP Rating	-	NEMA 4X
	Enclosure Rating	-	IK10
	Dimension(WxHxD)	mm	332x 348x130 mm
	Weight	lbs/kg	6.57kg(5M) / 7.57kg(7.5M)
	Charging Cable Length	m/ ft	16 / 25
Environmental	Operating Temperature	°C /°F	-40°C to +50°C
	Operating Humidity	%	95%
	Altitude	m	4000m
Compliance	EMC/EMI	-	FCC Part 15 Subpart B ICES-003
	Safety	-	UL2231, Energy Star IEEE2030.5
Protection	Input side	-	UVP, OTP, GFCI, SPD
	output side	-	OCP, CCID, CP fault detection
	Internal	-	OVP
User Interface & Control	Backend Support	-	OCPP 1.6 J, OCPP 2.0.1 J
	Display	inch	None
	User Authentication	-	RFID, QR code
	Status Indicator	-	LED (power / connectivity / authorization / charging / error/4G Status/WiFi Status)
Communication	External	-	PWM_CP & 15118-2



For information on the optional charging pedestal, please refer to the accessory section on page 93.



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AX



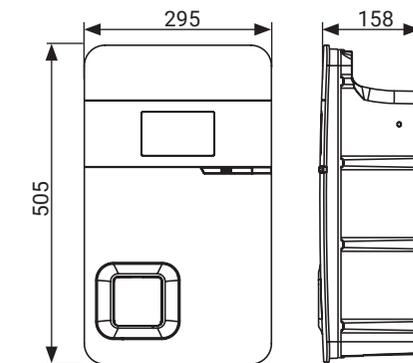
# SPECIFICATION

Model Name

AX Series

			AXLU111	AXSC111	AX32 (plug / Socket)	AXLU191	AXSC191
		unit	UL/ CUL	CNS	CE	UL / CUL	CNS
AC Input	Input Voltage	V	1Φ200-240 Vac, (50/60 Hz)		3Φ380-415 Vac, (50/60 Hz)	1Φ200-240 Vac, (50/60 Hz)	
	Input current	A	48		32	80	
	Connection & Earthing	-	L1/L2/GND	L/N/PE	L1/L2/L3/N/PE	L1/L2/GND	L/N/PE
AC Output	Chip Measurement Accuracy	%	<1 %		<1 %   MID	<1 %	
	Power Rating	kW	11		22	19	
Mechanical	IP Rating	-	NEMA 4	IP55	Plug version IP56 / Socket Version IP55	NEMA 4	IP55
	Enclosure Rating	-	IK08				
	Dimension(WxHxD)	mm/inch	295 x 158x 505 (mm)   12 x 7 x 20 (inch)				
	Weight	kg/lbs	7.3 kg(5M)/ 8.5 kg(7.5M)	7.3 kg	13 kg(Plug Version)/ 10.5 kg(Socket Version)	8.8 kg(5M)/ 10.5 kg(7.5M)	8.8 kg
Charging Cable Length	m/ ft	5 m / 7.5m   17/25 ft	5m	5m	5 m / 7.5m   17/25 ft	5m	
Environmen-	Operating Temperature	°C   °F	-30°C to +50°C				
	Operating Humidity	%	95%				
	Altitude	m	2000M				
Compliance	EMC/EMI	-	FCC Part 15 Subpart B ICES-003	CNS 15511 -21-2	IEC.61851-21-2	FCC Part 15 Subpart B ICES-003	CNS 15511-21-2
	Safety	-	UL 2594, UL 2231 Energy Star CTEP	CNS 15511-1	IEC.61851-	UL 2594, UL 2231 Energy Star CTEP	CNS 15511-1
Protection	RCD/CCID	-	CCID 20	RCD Type B 30mA	RCD type B +DC 6mA	CCID 20	RCD type B 30mA
	Input Side	-	UVP, OTP, GFCI, SPD				
	Output Side	-	OCP, CCID,CP fault detection				
	Internal	-	Over Voltage Protection				
User Interface & Control	Backend Support	-	OCPP 1.6 J, OCPP 2.0.1 J				
	Display	inch	Optional				
	User Authentication	-	RFID ,QR code				
	Status Indicator	-	LED (power / connectivity / authorization / charging / error/Backend Status)				
Communication	External	-	V				

For information on the optional charging pedestal, please refer to the accessory section on page 93.



Unit: mm



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# ACCESSORIES



Accessories	US/SAE Cable Hook	IEC/EU Cable Hook	Pedestal for Multi-Charger	Pedestal		
Photos						
Dimensions	72 x 55 x 172mm	98 x 62.5 x 274mm	330 x 286 x 1571mm	330 x 210 x 1500mm	Single charger 255X275X2300 , Dual charger 255X480X2300	
Compatibility	SAE J1772	IEC 62196-2	AW Series	AW/AX Series	AW Series	AX Series

Accessories	Pedestal (Lite)	Cable Management	Pedestal Cable Management	
Photos				
Dimensions	930 x 805 x 1665mm	1282 X 232 X 195mm	948 x 953 x 664mm	1020 x 1150 x 683mm
Compatibility	DW30 Series	DS180 Series / DS150 Series / DS120 Series / DS90 Series / DS60 Series	DS60 Series	DO360 Series / DS180 Series / DS150 Series / DS120 Series / DS90 Series