

EVD-40D-P-CC

metric EV CHARGING

40kW Wall DC Charger Dual Gun RFID
[CCS x2]

The Future of EV Charging

The EVD-40D-P-CC is a three-phase, commercial DC charging unit, featuring two CCS guns.

With it's high power, it's an ideal small-scale commercial charging unit that is also compatible with our bespoke app, allowing for easy fleet and cost management - as well as being able to manage load balancing for larger scale charging across multiple vehicles.

The RFID unit comes with one RFID card as standard, with additional RFID cards (EV-RFID) available for purchase. Optional floor stands (EV-FLRSTAND-40D) & optional ground mounts (EV-GM40KW-2) are available to purchase.

Single gun options are also available.



METHODS OF CONTROL

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METRIC ScanPay'n'Go - We want to make charging electric vehicles easy and stress free for all. You do not require any additional software or applications to control your EV charge point, you simply plug your car into an EV device, and use our payment solution to begin charging.

Our QR code and contactless payment solutions allow customers to pay for their parking and EV charging by scanning a QR code. No app is required - pay directly via your internet connected smart phone.

RFID - RFID Mode Charging is an easy simple way for users to control their EV Charge Point with a swipe of a card. One RFID card is supplied as standard, however extra cards can be supplied for those interested in public charging.

Input & Output

Input Amps	63a Three Phase
Input voltage	230~415V AC
Input frequency	50/60HZ
DC outlet type	CCS x2
Output voltage	250-750V DC
Max. output power	40KW
Max. output current	80A DC
Voltage accuracy	<±0.5%
Current accuracy	≤±1%
Ripple coefficient	RMS: ±0.5%;Peak: ≤±1%
Meeting accuracy	0.5%
Efficiency	≥95.2%
Cable Length	5m

Protection

Over voltage protection	✓
Under voltage protection	✓
Over load protection	✓
Short circuit protection	✓
Earth leakage protection	✓
Over-temp protection	✓
Surge protection	✓

Function & Accessory

Display	7 inch screen
Ethernet/WIFI/4G	Yes/Yes/Opt
RCBO	Type A +6mA DC fault current protection (Equivalent to Type B)
LED Indicator light	✓
Emergency stop button	✓
Intelligent power adjustment	Opt.
RFID	✓

Working Environment

Protection degree	IP54
Environment temperature	-20°C~+50°C
Relative humidity	5%-95% non-condensing
Cooling	Forced air cooling
Standby power consumption	<25W
Noise emission	≤65db
IK Rating	IK10

Mechanical

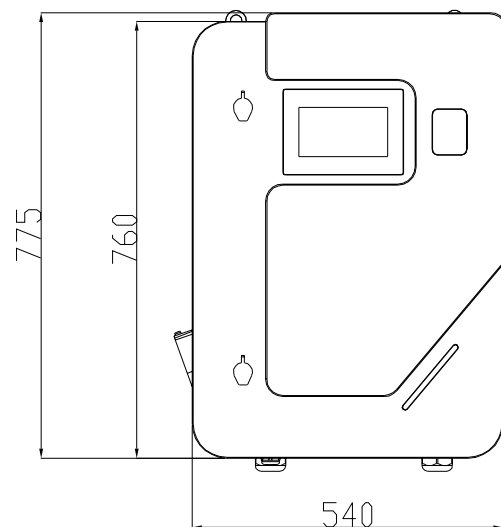
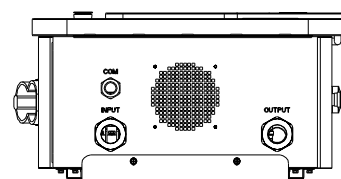
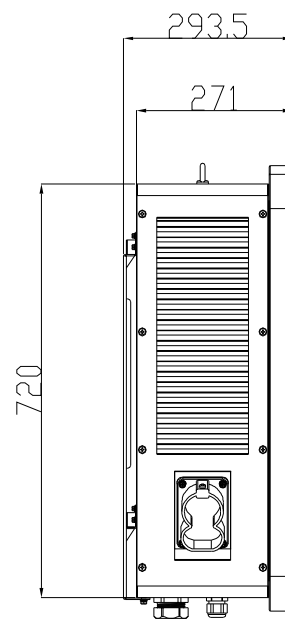
Dimension (W/H/D)	540/760/271mm
Weight	94KG

Mounting & Accessories

Wall-mounting	Standard
Floor-pole	Opt. EV-FLRSTAND-40D
Grout-mounting	Opt. EV-GM40KW-2

Certification

CE	✓
SA8000 Accredited	✓
OZEV Approved	✓



EVC-AC22S-DC60D

metric EV CHARGING

22kW AC / 60kW DC Floor Charger Triple Gun RFID
[Type 2/CCS/CHAdEMO]

The Future of EV Charging

The EVC-AC22S-DC60D is a three-phase, commercial DC charging unit, featuring a CCS connection, a CHAdEMO connection, and a 22kW AC Type 2 connection.

With it's high power, it's an ideal commercial charging unit that is also compatible with our bespoke app, allowing for easy fleet and cost management - as well as being able to manage load balancing for larger scale charging across multiple vehicles.

The RFID unit comes with one RFID card as standard, with additional RFID cards (EV-RFID) available for purchase. Optional EV charging signage (EV-SIGN1) & optional protection posts (EV-POST2) are available to purchase.



**CCS
CONNECTOR**



**CHAdEMO
CONNECTOR**



**TYPE 2
CONNECTOR**



**RAPID
CHARGING**



**TRIPLE
CHARGING**



**5 YEAR / 30,000
HOUR WARRANTY**



METHODS OF CONTROL

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Input & Output

Input Amps	119a Three Phase
Input voltage	260~530V AC
Input frequency	50/60HZ
AC outlet type	Type 2 (tethered)
AC output voltage	400V AC
AC max. output power	22kW
AC max. output current	32A
DC outlet type	CCS & CHAdEMO
Output voltage	(CCS) 150-750V DC, (CHAdEMO) 150-500V DC
Max. output power	60KW
Max. output current	(CCS) 150A DC, (CHAdEMO) 125A DC
Voltage accuracy	<±0.5%
Current accuracy	±1%
Ripple coefficient	RMS: ±0.5%;Peak: ±1%
Meeting accuracy	0.5%
Efficiency	≥95.2%
Cable Length	5m

Protection

Over voltage protection	✓
Under voltage protection	✓
Over load protection	✓
Short circuit protection	✓
Earth leakage protection	✓
Over-temp protection	✓
Surge protection	✓

Function & Accessory

Display	7 inch screen
Ethernet/WIFI/4G	Yes/Yes/Opt
RCBO	Type A +6mA DC fault current protection (Equivalent to Type B)
LED Indicator light	✓
Emergency stop button	✓
Intelligent power adjustment	Opt.
RFID	✓

Working Environment

Protection degree	IP54
Environment temperature	-20°C~+50°C
Relative humidity	5%-95% non-condensing
Cooling	Forced air cooling
Standby power consumption	<25W
Noise emission	≤65db
IK Rating	IK10

Mechanical

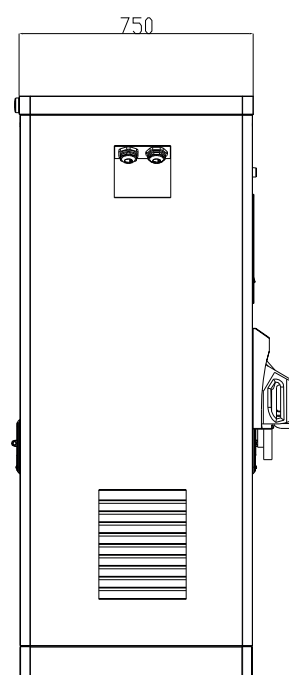
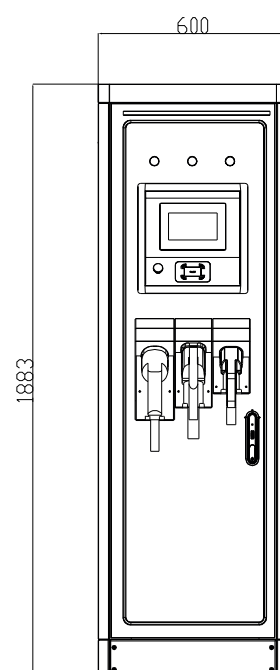
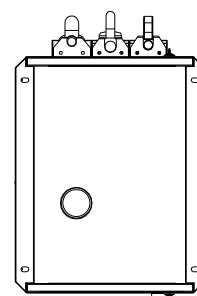
Dimension (W/H/D)	600/1883/743mm
Weight	250KG

Mounting & Accessories

Floor-mounting	Standard
Recommended base size:	
Front to Back/Left to Right/Depth	850/850/600mm

Certification

CE	✓
SA8000 Accredited	✓



EVC-AC22S-DC180D

metric EV CHARGING

Up to 180kW dual CCS with 22kW AC Type 2
[CCS/Type 2]

The Future of EV Charging

The EVC-AC22S-DC180D DC fast charging station is a dual DC outlets (dual CCS) 60 to 180kW fast charger with an optional Type-2 AC output up to 22kW that can be configured to meet different charging needs of both European and North American customers. It supports all three connectors charging simultaneously and balancer reel for advanced cable management.

CCS and AC multi-connector output with simultaneous charging to meet all kind of Electric Vehicle charging requirements. 5m cable length makes it easier to reach the vehicle charging location.

Compliant with OCPP 1.6 and above enables it to connect to the global EV charge management platform without additional integration and matching.

Other kW configurations available: 80/100/120/140/160



ULTRA RAPID CHARGING



CCS x2 CONNECTOR



TYPE 2 CONNECTOR



CONTACTLESS PAYMENTS



TRIPLE CHARGING



COMMERCIAL CHARGING



METHODS OF CONTROL

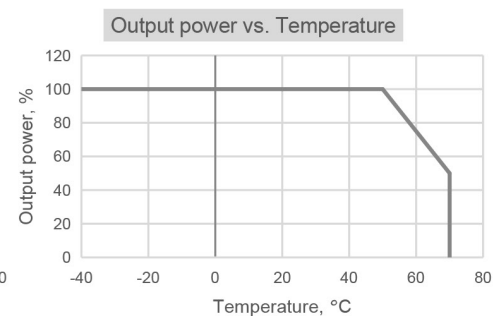
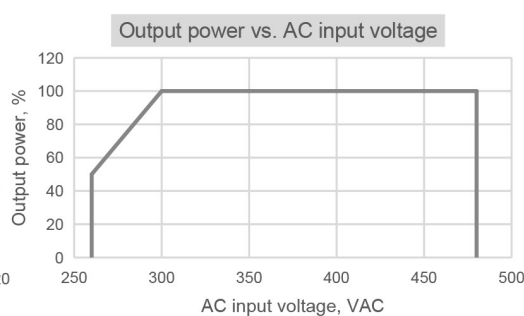
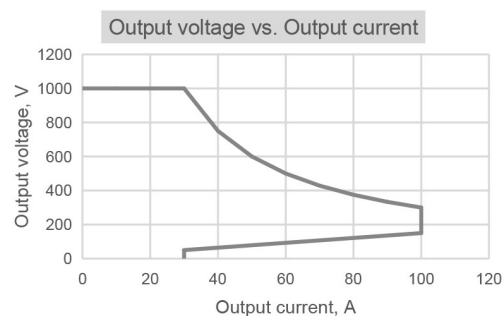
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Technical specifications	EVC-AC22S-DC80D		EVC-AC22S-DC120D	EVC-AC22S-DC180D
System				
Housing material	Metal enclosure			
Dimension (H x W x D)	1900 x 750 x 700mm			
Installation method	Ground mount			
Cable routing	Bottom inlet, top outlet wiring			
Weight	335kgs	355kgs		375kgs
Charging standard	dual CCS combo 1/2 & AC IEC 61851			
Charging outlet	CCS Combo 1/2, IEC 62196 Type-2			
Outlet number	3 (support simultaneous charging)			
Input				
Input voltage	400Vac +/-10%, 3-phase			
Input frequency	50Hz/60Hz			
Power factor	0.99			
Output				
DC rated output power	CCS: 60kW	CCS: 120kW		CCS: 160kW
AC rated output power	22kW			
Measuring accuracy	Level 0.5			
Output voltage range	CCS:150 – 1000V, AC Type-2: 400V AC			
Output current range	CCS: 0-200A, Type-2: 32A			
Efficiency	> 94% at rated output			
General				
Charging type	Mode 4			
User Interface	RFID, 7" touch screen, Emergency button			
Ethernet	10/100 BaseTX (TCP-IP)			
Cellular	LTE modem, GPRS/3G/4G			
Communication	CAN, PLC, PWM, OCPP 1.6 JSON			
Application place	Indoor/Outdoor			
Working temperature	-30℃ – +55℃			
Working humidity	5% – 95% non-condensation			
Altitude	< 2000m			
Protection grade	IP54, IK10			
Cooling	Fan cooling			
Compliance	EN 61851-1:2010, EN 61851-1:2017, IEC 61851-21-2:2018, EN 61851-23:2014, EN 61851-24:2014			



EVC-AC44D/DC150D

metric EV CHARGING

150kW Floor DC Quad Gun RFID
[Type 2 x2/CCS x2]

The Future of EV Charging

The EVC-AC44D-DC150D is a three-phase, commercial DC charging unit, featuring dual DC CCS plugs and dual 22kW, AC, three-phase Type 2 sockets.

With it's high power, it's an ideal commercial charging unit that is also compatible with our bespoke app, allowing for easy fleet and cost management.

The RFID unit comes with one RFID card as standard, with additional RFID cards (EV-RFID) available for purchase. Optional EV charging signage (EV-SIGN1) & optional protection posts (EV-POST2) are available to purchase.



ULTRA RAPID CHARGING



CCS x2 CONNECTOR



TYPE 2 x2 CONNECTOR



5 YEAR / 30,000 HOUR WARRANTY



SPLIT POWER OUTPUT



QUAD CHARGING



METHODS OF CONTROL

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Input & Output

Input Amps	282a Three Phase
Input voltage	415V AC
Input frequency	50HZ
AC plug type	Type 2 X2 (socket)
AC output voltage	400V AC
AC max. output power	22kW
AC max. output current	32A per socket
DC outlet type	CCS x2 (tethered)
Output voltage	200-850V DC
Max. output power	150KW
Max. output current	220A DC
Voltage accuracy	<±0.5%
Current accuracy	≤±1%
Ripple coefficient	RMS: ±0.5%;Peak: ≤±1%
Meeting accuracy	0.5%
Efficiency	≥95.2%
Cable Length	5m

Protection

Over voltage protection	✓
Under voltage protection	✓
Over load protection	✓
Short circuit protection	✓
Earth leakage protection	✓
Over-temp protection	✓
Surge protection	✓

Function & Accessory

Display	7 inch screen
Ethernet/WIFI/4G	Yes/Opt/Opt
RCBO	Type A +6mA DC fault current protection (Equivalent to Type B)
LED Indicator light	✓
Emergency stop button	✓
Intelligent power adjustment	Opt.
RFID	✓

Working Environment

Protection degree	IP54
Environment temperature	-20°C~+50°C
Relative humidity	5%-95% non-condensing
Cooling	Forced air cooling
Standby power consumption	<25W
Noise emission	≤65db
IK Rating	IK10

Mechanical

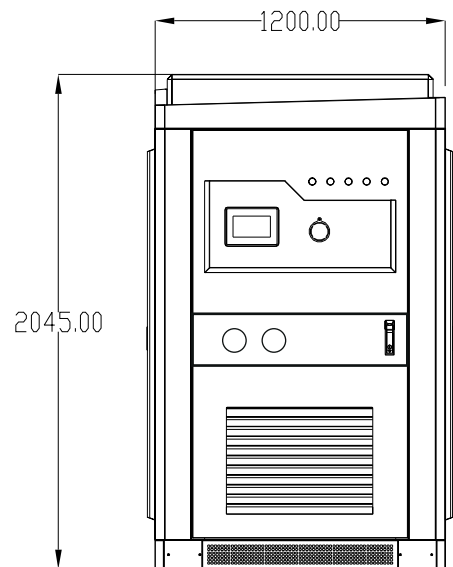
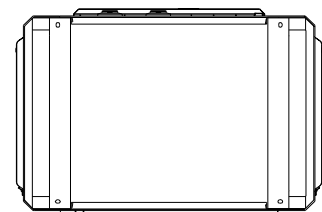
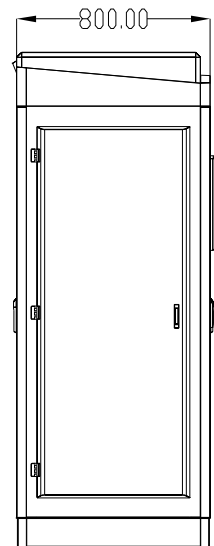
Dimension (W/H/D)	1260/2045/800mm
Weight	250KG

Mounting & Accessories

Floor-mounting	Standard
Recommended base size:	
Front to Back/Left to Right/Depth	1200/1800/600mm

Certification

CE	✓
SA8000 Accredited	✓



EVD-150D

metric EV CHARGING

150kW Floor DC Dual Gun RFID
[CCS x2]

The Future of EV Charging

The EVD-150D DC is a three-phase, commercial DC charging unit, featuring two dual CCS guns.

With it's high power, it's an ideal commercial charging unit that is also compatible with our bespoke app, allowing for easy fleet and cost management.

The RFID unit comes with one RFID card as standard, with additional RFID cards (EV-RFID) available for purchase. Optional EV charging signage (EV-SIGN1) & optional protection posts (EV-POST2) are available to purchase.



ULTRA RAPID CHARGING



CCS x2 CONNECTOR



DUAL CHARGING



5 YEAR / 30,000 HOUR WARRANTY



SPLIT POWER OUTPUT



COMMERCIAL CHARGING



METHODS OF CONTROL

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Input & Output

Input Amps	218a Three Phase
Input voltage	415V AC
Input frequency	50/60HZ
DC outlet type	CCS x2
Output voltage	200-850V DC
Max. output power	150KW
Max. output current	220A DC
Voltage accuracy	<±1%
Current accuracy	≥30A ≤±1% ; <30A: ≤ ±0.3A
Ripple coefficient	RMS: ±0.5%;Peak: ≤±1%
Meeting accuracy	0.5%
Efficiency	≥94%
Cable Length	5m

Protection

Over voltage protection	✓
Under voltage protection	✓
Over load protection	✓
Short circuit protection	✓
Earth leakage protection	✓
Over-temp protection	✓
Surge protection	✓

Function & Accessory

Display	7 inch screen
Ethernet/WIFI/4G	Yes/Opt/Opt
RCBO	Type A +6mA DC fault current protection (Equivalent to Type B)
LED Indicator light	✓
Emergency stop button	✓
Intelligent power adjustment	Opt.
RFID	✓

Working Environment

Protection degree	IP54
Environment temperature	-20°C~+50°C
Relative humidity	5%-95% non-condensing
Cooling	Forced air cooling
Standby power consumption	<30W
Noise emission	≤65db
IK Rating	IK10

Mechanical

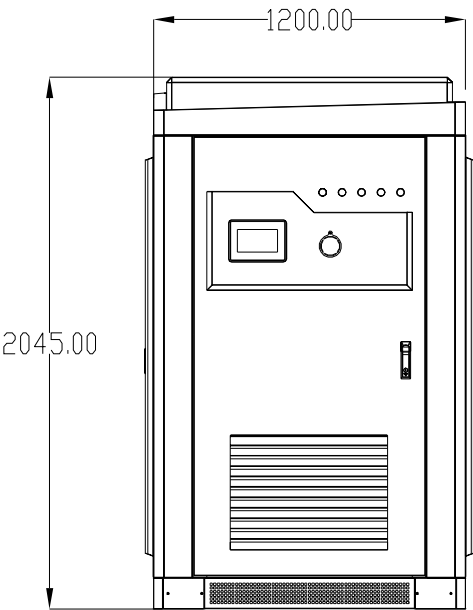
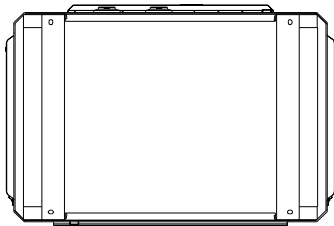
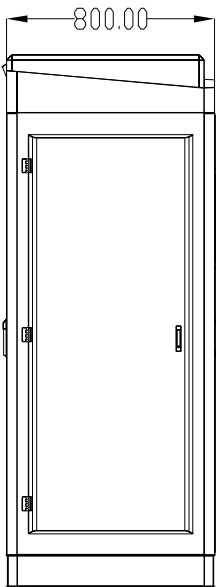
Dimension (W/H/D)	1260/2045/800mm
Weight	800KG

Mounting & Accessories

Floor-mounting	Standard
Recommended base size:	
Front to Back/Left to Right/Depth	1200/1800/600mm

Certification

CE	✓
SA8000 Accredited	✓



EVD-300D

metric EV CHARGING

300kW Floor DC Dual Gun RFID
[CCS x2]

The Future of EV Charging

The EVD-300D is a three-phase, commercial DC charging unit, featuring two dual CCS guns.

With it's high power, it's an ideal commercial charging unit that is also compatible with our bespoke app, allowing for easy fleet and cost management.

The RFID unit comes with one RFID card as standard, with additional RFID cards (EV-RFID) available for purchase. Optional EV charging signage (EV-SIGN1) & optional protection posts (EV-POST2) are available to purchase.

This unit is also available configured as a 150kW version.



ULTRA RAPID CHARGING



CCS x2 CONNECTOR



DUAL CHARGING



5 YEAR / 30,000 HOUR WARRANTY



CONTACTLESS PAYMENTS



COMMERCIAL CHARGING



METHODS OF CONTROL

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Input & Output

Input Amps	435a Three Phase
Input voltage	340~460V AC
Input frequency	50/60HZ
DC outlet type	CCS x2 (tethered)
Output voltage	200-850V DC
Max. output power	300KW
Max. output current	2 x 200A DC
Voltage accuracy	<±0.5%
Current accuracy	≥30A ≤±1% ; <30A: ≤ ±0.3A
Ripple coefficient	RMS: ±0.5%;Peak: ≤±1%
Meeting accuracy	0.5%
Efficiency	≥94%
Cable Length	5m

Protection

Over voltage protection	✓
Under voltage protection	✓
Over load protection	✓
Short circuit protection	✓
Earth leakage protection	✓
Over-temp protection	✓
Surge protection	✓

Function & Accessory

Display	7 inch screen
Ethernet/WIFI/4G	Yes/Opt/Opt
RCBO	Type A +6mA DC fault current protection (Equivalent to Type B)
LED Indicator light	✓
Emergency stop button	✓
Intelligent power adjustment	Opt.
RFID	✓

Working Environment

Protection degree	IP54
Environment temperature	-20°C~+50°C
Relative humidity	5%-95% non-condensing
Cooling	Forced air cooling
Standby power consumption	<30W
Noise emission	≤65db
IK Rating	IK10

Mechanical

Dimension (W/H/D)	1260/2045/800mm
Weight	1600KG

Mounting & Accessories

Floor-mounting	Standard
Recommended base size:	
Front to Back/Left to Right/Depth	1200/1800/600mm

Certification

CE	✓
SA8000 Accredited	✓

