EVA-22D-SE-RFID

22kW Pro Earth Floor AC Charger Dual Gun RFID [63a Three Phase]

The Future of EV Charging

The EVA-22D-SE-RFID is a three-phase dual AC charging unit, packed with features, such as a no earth spike required installation. The dual gun charger is perfect for both domestic and commercial use with a market-leading five-year warranty.

This charger also has time shifting capabilities giving you the opportunity to save £100's per year*, a cable lock system for added security, free mobile monitoring app, dynamic load balancing system and a solar compatible option for utilising solar energy.

The EVA-22D-SE-RFID is ready out of the box and perfect for any domestic electric vehicle charging. The RFID unit comes with one RFID card as standard, with additional RFID cards (EV-RFID) available for purchase. Optional ground mounts (EV-GMEVA-D-2) & optional protection posts (EV-POST2) are available to purchase.

Single gun, RFID, contactless/QR code payment and 4G options are also available.

- TYPE 2 x2 SOCKETS
- DUAL GUN PRO EARTH
- CABLE LOCK SYSTEM
- 5 YEAR WARRANTY
- RFID CONTROL
- MID METERING

METHODS OF CONTROL

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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.

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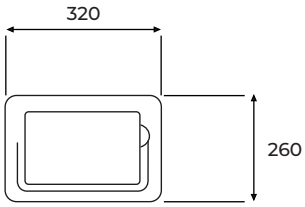
Note - EVA-22D-SE-RFID Datasheet - Information correct as of 10/21

*The amount of potential savings you can save per year depends on your energy provider, and your set energy tariff rates.

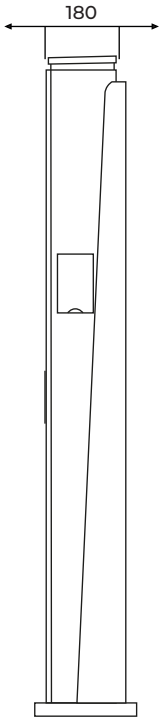
Input & Output

Input Amps	63a Three Phase
Input voltage	415V AC
Input frequency	50HZ
Output voltage	415V AC
Max. output power	22KW per socket
Max. output current	32A per socket
Charging interface type	IEC 62196-2, Type 2



Protection

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



Function & Accessory

LCD	Yes
Ethernet/WIFI/4G	Yes/Yes/Opt.
Outlet Type	Type 2 (socket)
Number of outlets	2
RCBO	Type A +6mA DC fault current protection (Equivalent to Type B)
LED Indicator light	✓
Mid Metering	✓
Emergency stop button	✓
RFID	✓

Working Environment

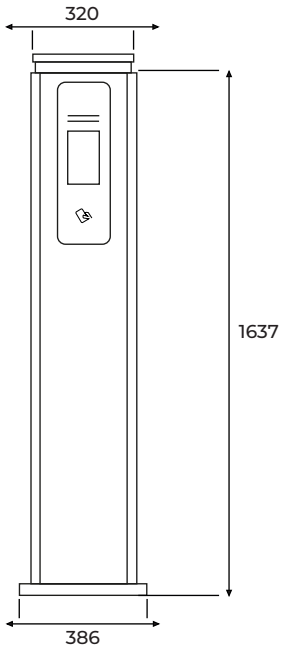
Protection degree	IP65
Environment temperature	-25°C~+50°C
Relative humidity	0-95% non-condensing
Cooling	Natural air cooling
Standby power consumption	＜8W
IK Rating	IK10

Mechanical

Dimension (W/H/D)	320/1635/175mm
Weight	30KG

Mounting & Accessories

Ground-mounting	Opt. EV-GMEVA-D-2
Recommended base size (W/H/D)	600/600/400mm



Certification

CE	✓
SA8000 Accredited	✓
OZEV Approved	✓

EVA-22D-SE-W

22kW Pro Earth Wall AC Charger Dual Gun RFID [63a Three Phase]

The Future of EV Charging

The EVA-22D-SE-W is a three-phase dual AC charging unit, packed with features, such as a no earth spike required installation. The dual gun charger is perfect for both domestic and commercial use with a market-leading five-year warranty.

This charger also has time shifting capabilities giving you the opportunity to save £100's per year*, a cable lock system for added security, free mobile monitoring app, dynamic load balancing system and a solar compatible option for utilising solar energy.

The EVA-22D-SE-W is ready out of the box and perfect for any domestic electric vehicle charging. The RFID unit comes with one RFID card as standard, with additional RFID cards (EV-RFID) available for purchase. Optional ground mounts (EV-GMEVA-D-2) & optional floor stands (EV-SEW-FLRSTAND) are available to purchase.

- TYPE 2 x2 SOCKETS
- DUAL GUN PRO EARTH
- CABLE LOCK SYSTEM
- 5 YEAR WARRANTY
- RFID CONTROL
- MID METERING

METHODS OF CONTROL

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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.

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Note - EVA-22D-SE-W Datasheet - Information correct as of 10/21

*The amount of potential savings you can save per year depends on your energy provider, and your set energy tariff rates.

Input & Output

Input Amps	63a Three Phase
Input voltage	415V AC
Input frequency	50HZ
Output voltage	415V AC
Max. output power	22KW per socket
Max. output current	32A per socket
Charging interface type	IEC 62196-2, Type 2

Protection

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

Function & Accessory

LCD	Yes
Ethernet/WIFI/4G	Yes/Yes/Opt.
Outlet Type	Type 2 (socket)
Number of outlets	2
RCBO	Type A +6mA DC fault current protection (Equivalent to Type B)
LED Indicator light	✓
Emergency stop button	✓
Mid Meter	✓
RFID	✓

Working Environment

Protection degree	IP65
Environment temperature	-25°C~+50°C
Relative humidity	0-95% non-condensing
Cooling	Natural air cooling
Standby power consumption	＜8W
IK Rating	IK10

Mechanical

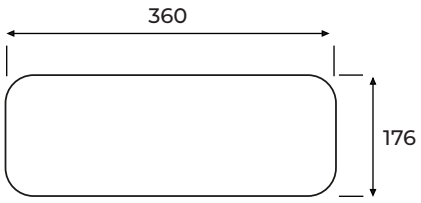
Dimension (W/H/D)	360/562/176mm
Weight	16KG

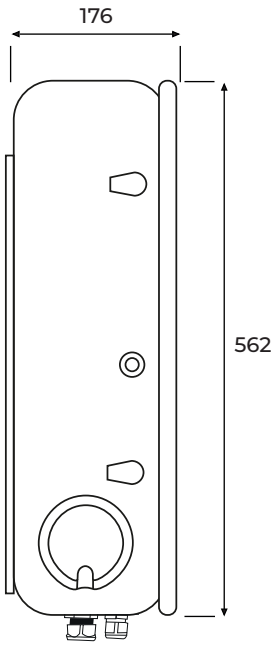
Mounting & Accessories

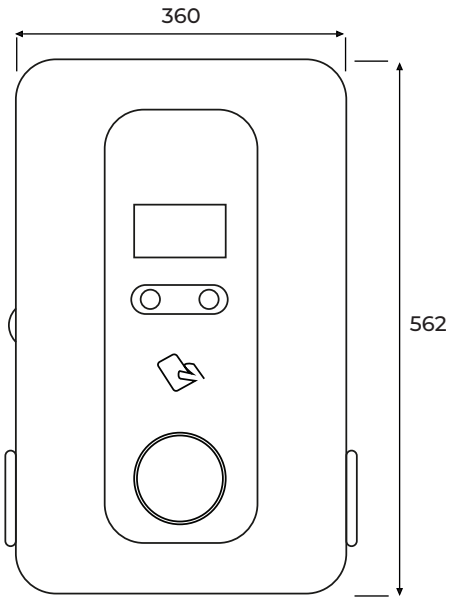
Wall-mounting	Standard
Floor-pole	Opt. EV-SEW-FLRSTAND
Grount-mounting	Opt. EV-GMEVA-D-2

Certification

CE	✓
SA8000 Accredited	✓
OZEV Approved	✓







EVA-22S-SE-RFID

22kW Pro Earth Wall AC Charger Single Gun RFID [32a Three Phase]

The Future of EV Charging

The EVA-22S-SE-RFID is a three-phase, fast AC electric vehicle charger, that comes with built-in Pro Earth protection, meaning the charger does not require the addition of a costly earth spike installation.

Our 22kW pro earth charging unit comes packed with features as well as a market-leading five-year warranty. Complete with a compact sleek design and solar compatibility; this charger also has time-shifting capabilities giving you the opportunity to save £100's per year*. With the charging unit's integrated cable locking feature you can ensure total protection, granting safety and convenience tethering the charger, cable, and vehicle all together securely.

The EVA-22S-SE-RFID is ready out of the box and perfect for any domestic electric vehicle charging. The RFID unit comes with one RFID card as standard, with additional RFID cards (EV-RFID) available for purchase. Optional ground mounts (EV-GMEVA-S-2) & optional floor stands (EV-FLRSTAND) are available to purchase.

- **TYPE 2 SOCKET**
- **PRO EARTH** NO SPIKE REQUIRED
- **CABLE LOCK SYSTEM**
- **5 YEAR WARRANTY**
- **RFID CONTROL**
- **OFF-PEAK TIME SHIFTING**

METHODS OF CONTROL

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Note - EVA-22S-SE-RFID Datasheet - Information correct as of 10/21

*The amount of potential savings you can save per year depends on your energy provider, and your set energy tariff rates.

Input & Output

Input Amps	32a Three Phase
Input voltage	415V AC
Input frequency	50HZ
Output voltage	415 AC
Max. output power	22KW
Max. output current	32A per phase
Charging interface type	IEC 62196-2, Type 2

Protection

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

Function & Accessory

LCD	Yes
Ethernet/WIFI	Yes/Yes
Outlet Type	Type 2 (socket)
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	IP65
Environment temperature	-25°C~+50°C
Relative humidity	0-95% non-condensing
Cooling	Natural air cooling
Standby power consumption	＜8W
IK Rating	IK10

Mechanical

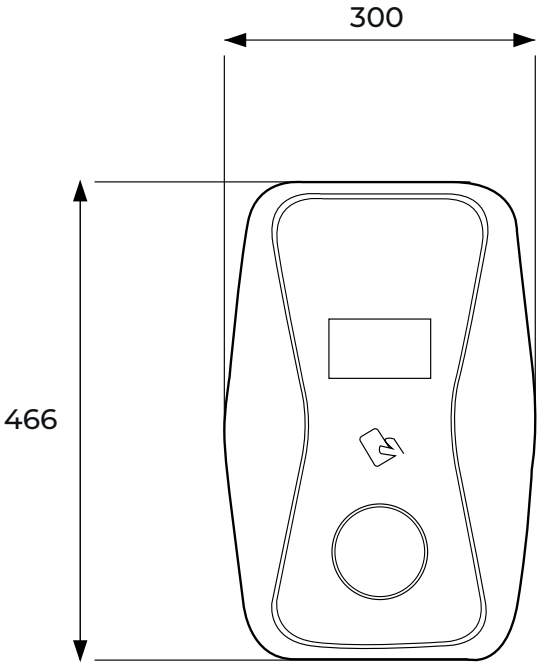
Dimension (W/H/D)	300/465/170mm
Weight	<9KG

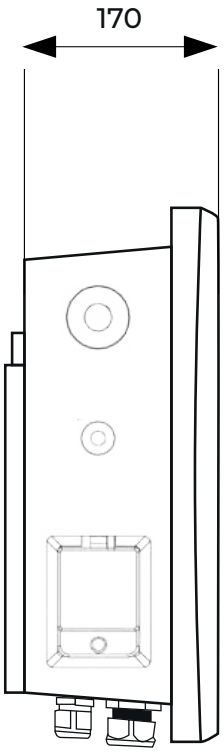
Mounting & Accessories

Wall-mounting	Standard
Floor-pole	Opt. EV-FLRSTAND
Grount-mounting	Opt. EV-GMEVA-S-2

Certification

CE	✓
SA8000 Accredited	✓
OZEV Approved	✓





EVA-22S-SE-RFID-4G

22kW Pro Earth Wall AC Charger Single Gun RFID 4G [32a Three Phase]

The Future of EV Charging

The EVA-22S-SE-RFID-4G is a three-phase, fast AC electric vehicle charger, that comes with built-in Pro Earth protection, meaning the charger does not require the addition of a costly earth spike installation.

Our 22kW pro earth charging unit comes packed with features as well as a market-leading five-year warranty. Complete with a compact sleek design and solar compatibility; this charger also has time-shifting capabilities giving you the opportunity to save £100's per year*. With the charging unit's integrated cable locking feature you can ensure total protection, granting safety and convenience tethering the charger, cable, and vehicle all together securely.

The EVA-22S-SE-RFID-4G is ready out of the box and perfect for any domestic electric vehicle charging. The RFID unit comes with one RFID card as standard, with additional RFID cards (EV-RFID) available for purchase. Optional ground mounts (EV-GMEVA-S-2) & optional floor stands (EV-FLRSTAND) are available to purchase.

- **TYPE 2 SOCKET**
- **PRO EARTH** NO SPIKE REQUIRED
- **CABLE LOCK SYSTEM**
- **5 YEAR WARRANTY**
- **RFID CONTROL**
- **4G CONTROL**

METHODS OF CONTROL

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Note - EVA-22S-SE-RFID-4G Datasheet - Information correct as of 10/21

*The amount of potential savings you can save per year depends on your energy provider, and your set energy tariff rates.

Input & Output

Input Amps	32a Three Phase
Input voltage	415V AC
Input frequency	50HZ
Output voltage	415V AC
Max. output power	22KW
Max. output current	32A per phase
Charging interface type	IEC 62196-2, Type 2

Protection

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

Function & Accessory

LCD	Yes
Ethernet/4G	Yes/Yes
Outlet Type	Type 2 (socket)
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	IP65
Environment temperature	-25°C~+50°C
Relative humidity	0-95% non-condensing
Cooling	Natural air cooling
Standby power consumption	＜8W
IK Rating	IK10

Mechanical

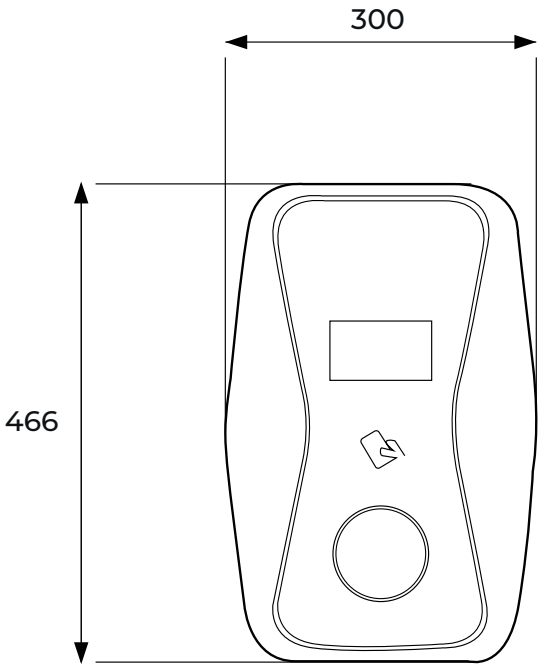
Dimension (W/H/D)	300/465/170mm
Weight	<9KG

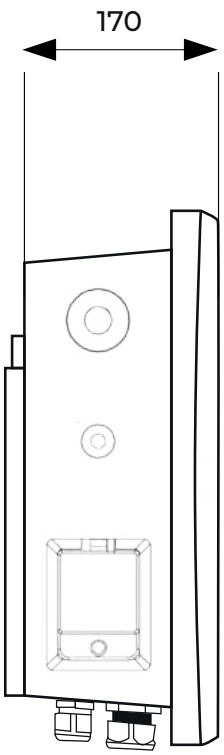
Mounting & Accessories

Wall-mounting	Standard
Floor-pole	Opt. EV-FLRSTAND
Grount-mounting	Opt. EV-GMEVA-S-2

Certification

CE	✓
SA8000 Accredited	✓
OZEV Approved	✓





EVC-AC22S-DC60D

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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Note - EVC-AC22S-DC60D Datasheet - Information correct as of 10/21

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

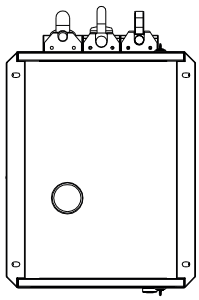
Dimension (W/H/D)	600/1883/743mm
Weight	250KG

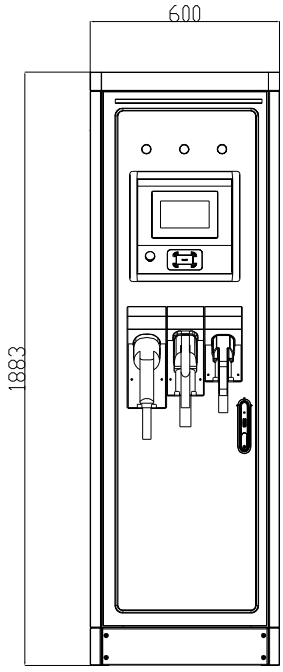
Mounting & Accessories

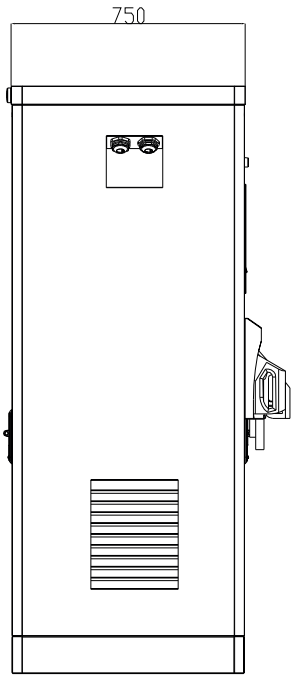
Floor-mounting	Standard
Recommended base size: Front to Back/Left to Right/Depth	850/850/600mm

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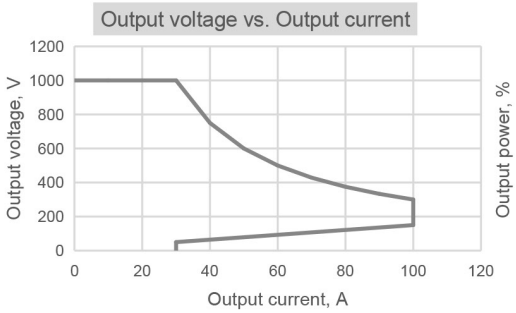
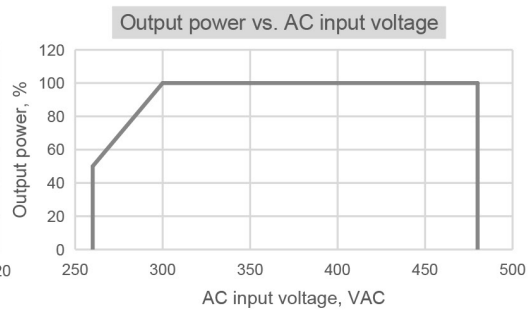
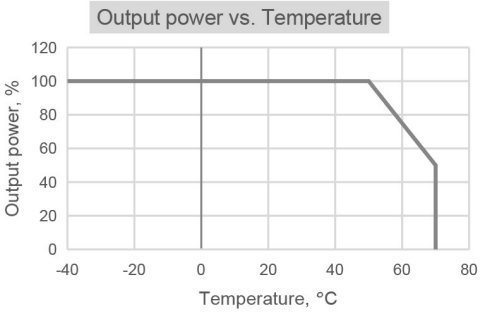
RFID - RFID Mode Charging is an easy simple way for users to control their EV Charge Point with a swipe of a card. One RFID card is supplied as standard, however extra cards can be supplied for those interested in public charging.

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°C – +55°C		
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