



# EV CHARGER BROCHURE

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# About us

## We are committed to energizing the future with clean energy

Shenzhen ATESS Power Technology Co., Ltd. is a subsidiary of Growatt group, headquartered in GROWATT-ATESS Industrial Park, Shuitian 4th Industrial Zone, Bao'an District, Shenzhen. The park covers an area of 31,600 m<sup>2</sup> and the manufacturing center covers an area of 25,000 m<sup>2</sup>. It is a comprehensive smart industrial park integrating R&D, manufacturing, and sales of new energy products.



ESS & EV charging solutions supplier



31,600 m<sup>2</sup> industrial park



Thousands of tonnes of CO<sub>2</sub> emission reduced



Clean power delivered to 100,000+ users



12 years experience in ESS



200,000+ EV chargers installed



# Milestone

**2015**  
Started EV charger business

**2013**  
Started ESS business

**2016**  
Started EV part business

**2018**  
Top 3 supplier in the Thailand ESS market

**2019**  
Top 3 EV charger supplier in the UK market

**2020**  
Approved as a specialized and sophisticated enterprise producing new and unique products

**2022**  
No.1 in the C&I ESS sector in South Africa

# Our History

# Our R&D team

ATESS boasts an R&D team of over 100 highly experienced engineers. Our laboratory is fully equipped with advanced testing instruments to ensure top-notch product performance and quality, as well as customers' needs. We dedicate around 15% of our annual revenue to research and development each year to keep our products competitive.

**100+**

100+ R&D engineers

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**12**

12 years' experience

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**50%+**

50%+ engineers with master's degree

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**15%**

15% of annual revenue as R&D investment



# Branches



## Our vision

Over the past years, ATESS has helped thousands of users and companies produce and consume green energy independently according to their individual needs, saving millions of tonnes of CO<sub>2</sub> emission. This motivates us to continually strive to create and innovate, on the universal carbon neutralization goal, and also a greener future energized by renewable energy technology.

- 📍 Headquarter
- Office/warehouse

**85+**  
Countries

Delivered clean power to 85+ Countries

**15**  
Branches

15 Offices and warehouses Worldwide

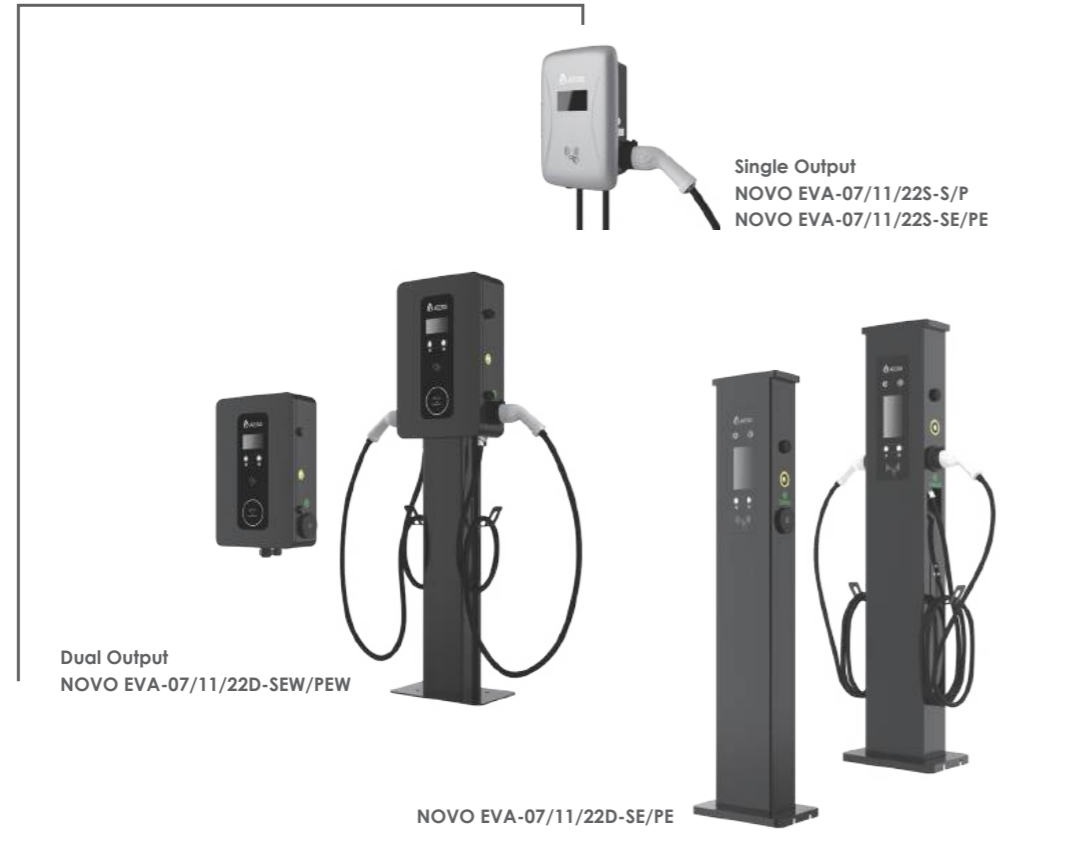
**7**  
Years

Systems operating 7+ years

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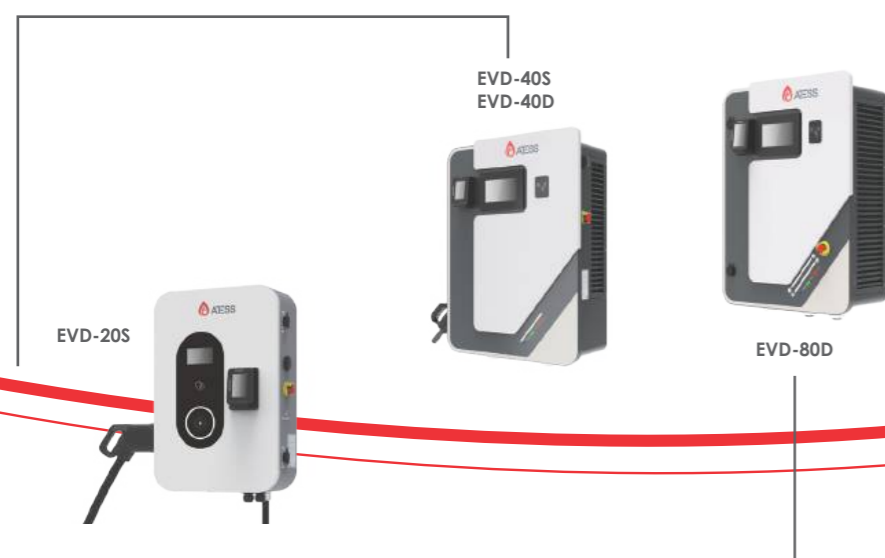
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## Accessories

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# NOVO EVA-07/11/22S-S

# NOVO EVA-07/11/22S-P

AC EV charging station for home or light commercial use, plug or socket type optional, single output.



## Features

-  Programmable charging mode
-  Comprehensive protection
-  Multiple communication modes
-  Compact and exquisite
-  EU standard
-  Flexible installation

Model	NOVO EVA-07S-S/P	NOVO EVA-11S-S/P	NOVO EVA-22S-S/P
<b>Input &amp; Output</b>			
Input voltage	230V AC	400V AC	400V AC
Input frequency		50Hz/60Hz	
Output voltage	230V AC	400V AC	400V AC
Max.output power	7kW	11kW	22kW
Max.output current	32A	16A	32A
Charging interface type		IEC62196-2,Type2	
Connection		Socket/ Plug (opt)	
Cable Length		5m	
<b>Protection</b>			
Over voltage protection		Yes	
Under voltage protection		Yes	
Over current protection		Yes	
Over load protection		Yes	
Earth leakage protection		AC 30mA + DC 6mA	
Over-temp protection		Yes	
Lightning protection		Yes	
<b>Function &amp; Accessory</b>			
Ethernet/WIFI/4G		Yes/Yes/Opt	
LCD		Opt	
Charging Mode		APP/RFID(Opt)/Plug and charge	
LED Indicator Light		Yes	
Intelligent power adjustment		Yes	
PV linkage		Yes	
Installation		Floor/wall-mounting	
MID meter		Opt	
Appearance colour		Black/Silver	
OCP		1.6JSON	
<b>Working Environment</b>			
Ingress Protection		IP65	
Operating temperature		-25°C ~+50°C	
Relative humidity		5-95% non-condensing	
Maximum altitude		2000m	
Cooling		Natural air cooling	
Standby power consumption		<8W	
<b>Mechanical</b>			
Dimension (W/H/D)		246/382/162mm	
Weight	< 3kg(Socket) <5kg (Plug)	< 3.5kg(Socket) <5.5kg (Plug)	< 3.5kg(Socket) <6.5kg (Plug)
Certificate		CE RCM CB	







# NOVO EVA-07/11/22S-SE

# NOVO EVA-07/11/22S-PE

AC EV charging station for home use or light commercial use, plug or socket type optional, single output.



## Features

-  Programmable charging mode
-  Comprehensive protection
-  Multiple communication modes
-  Compact and exquisite
-  EU standard
-  Flexible installation

Model	NOVO EVA-07S-SE/PE	NOVO EVA-11S-SE/PE	NOVO EVA-22S-SE/PE
<b>Input &amp; Output</b>			
Input voltage	230V AC	400V AC	400V AC
Input frequency		50Hz/60Hz	
Output voltage	230V AC	400V AC	400V AC
Max.output power	7kW	11kW	22kW
Max.output current	32A	16A	32A
Charging interface type		IEC62196-2,Type2	
Connection		Socket/ Plug (opt)	
Cable Length		5m	
<b>Protection</b>			
Over voltage protection		Yes	
Under voltage protection		Yes	
Over current protection		Yes	
Over load protection		Yes	
Earth leakage protection		AC 30mA + DC 6mA	
Over-temp protection		Yes	
Lightning protection		Yes	
<b>Function &amp; Accessory</b>			
Ethernet/WIFI/4G		Yes/Yes/Opt	
LCD		Opt	
Charging Mode		APP/RFID(Opt)/Plug and charge	
LED Indicator Light		Yes	
Intelligent power adjustment		Yes	
PV linkage		Yes	
Installation		Floor/wall-mounting	
Pro-earth		Yes	
MID meter		Opt	
Appearance colour		Black/Silver	
OCCP		1.6JSON	
<b>Working Environment</b>			
Ingress Protection		IP65	
Operating temperature		-25°C ~+50°C	
Relative humidity		5-95% non-condensing	
Maximum altitude		2000m	
Cooling		Natural air cooling	
Standby power consumption		<8W	
<b>Mechanical</b>			
Dimension (W/H/D)		246/382/162mm	
Weight	< 3kg(Socket)	< 3.5kg(Socket)	< 3.5kg(Socket)
	<5kg (Plug)	<5.5kg (Plug)	<6.5kg (Plug)
<b>Certificate</b>			
		CE RCM	









# NOVO EVA-07/11/22D-SEW NOVO EVA-07/11/22D-PEW

Floor/wall-mounting type AC EV charging station, plug or socket type optional, dual output.



## Features

-  Programmable charging mode
-  Comprehensive protection
-  Multiple communication modes
-  Dual output ports
-  EU standard
-  Flexible installation







Model	NOVO EVA-07D-SEW/PEW	NOVO EVA-11D-SEW/PEW	NOVO EVA-22D-SEW/PEW
<b>Input &amp; Output</b>			
Input voltage	230V AC	400V AC	400V AC
Input frequency		50Hz/60Hz	
Output voltage	230V AC	400V AC	400V AC
Max.output power	7kW*2	11kW*2	22kW*2
Max.output current	32A*2	16A*2	32A*2
Charging interface type		IEC62196-2,Type2	
Connection		Socket/ Plug (opt)	
Cable Length		5m	
Number of connection		2	
<b>Protection</b>			
Over voltage protection		Yes	
Under voltage protection		Yes	
Over current protection		Yes	
Over load protection		Yes	
Short circuit protection		Yes	
Earth leakage protection		TypeA 30mA+6mA DC Fault current protection	
Over-temp protection		Yes	
Lightning protection		Yes	
<b>Function &amp; Accessory</b>			
Ethernet/WIFI/4G		Yes/Yes/Opt	
LCD		Opt	
Charging Mode		APP/RFID(Opt)/Plug and charge	
LED Indicator Light		Yes	
Intelligent power adjustment		Yes	
PV linkage		Yes	
Installation		Floor/wall-mounting	
Pro-earth		Opt	
MID meter		Opt	
OCCP		1.6JSON	
<b>Working Environment</b>			
Ingress Protection		IP55/ IP65	
Operating temperature		-25°C ~+50°C	
Relative humidity		5-95% non-condensing	
Maximum altitude		2000m	
Cooling		Natural air cooling	
Standby power consumption		<8W	
<b>Mechanical</b>			
Dimension (W/H/D)		360/562/177mm	
Weight	< 14kg(Socket)	< 17kg(Socket)	< 17kg(Socket)
	< 18kg(Plug)	< 19kg(Plug)	< 20kg(Plug)
Certificate		CE RCM	

# NOVO EVA-07/11/22D-SE NOVO EVA-07/11/22D-PE

Floor-standing type AC EV charging station, plug or socket type optional, dual output.



## Features

-  Programmable charging mode
-  Comprehensive protection
-  Multiple communication modes
-  Dual output ports
-  EU standard
-  Floor-standing design


Model	NOVO EVA-07D-SE/PE	NOVO EVA-11D-SE/PE	NOVO EVA-22D-SE/PE
<b>Input &amp; Output</b>			
Input voltage	230V AC	400V AC	400V AC
Input frequency		50Hz/60Hz	
Output voltage	230V AC	400V AC	400V AC
Max.output power	7kW*2	11kW*2	22kW*2
Max.output current	32A*2	16A*2	32A*2
Charging interface type		IEC62196-2,Type2	
Connection		Socket/ Plug (opt)	
Cable Length		5m	
Number of connection		2	
<b>Protection</b>			
Over voltage protection		Yes	
Under voltage protection		Yes	
Over current protection		Yes	
Over load protection		Yes	
Short circuit protection		Yes	
Earth leakage protection		TypeA 30mA+6mA DC Fault current protection	
Over-temp protection		Yes	
Lightning protection		Yes	
<b>Function &amp; Accessory</b>			
Ethernet/WIFI/4G		Yes/Yes/Opt	
LCD		Opt	
Charging Mode		APP/RFID(Opt)/Plug and charge	
LED Indicator Light		Yes	
Intelligent power adjustment		Yes	
PV linkage		Yes	
Installation		Floor	
Pro-earth		Opt	
MID meter		Opt	
OCCP		1.6JSON	
<b>Working Environment</b>			
Ingress Protection		IP55/ IP65	
Operating temperature		-25°C ~+50°C	
Relative humidity		5-95% non-condensing	
Maximum altitude		2000m	
Cooling		Natural air cooling	
Standby power consumption		<8W	
<b>Mechanical</b>			
Dimension (W/H/D)		420/1639/270mm	
Weight	< 19kg(Socket)	< 22kg(Socket)	< 22kg(Socket)
	< 23kg(Plug)	< 26kg(Plug)	< 28kg(Plug)
<b>Certificate</b>			
		CE RCM	

# EVD-20S

Fast DC EV charging station for public use, CCS Type 2 plug.



## Features

-  Programmable charging mode
-  4.3 inch screen/opt
-  Comprehensive protection
-  EU standard
-  Multiple communication modes
-  Flexible installation
-  POS payment terminal  
\*Reserved installation space and power supply provided.

Model	EVD-20S
<b>Input &amp; Output</b>	
Input voltage range	320~450V AC
Rated input voltage	AC400V(3P/N/PE)
Rated input current	AC32A
Rated Frequency	50Hz
DC plug type	CCS Type 2
Output voltage range	DC150~1000V
Rated power	20kW
Max. output current	DC50A
Voltage accuracy	≤±0.5%
Current accuracy	≤±1%(at 20%-100% of rated power)
Voltage-regulating accuracy	≤±0.5%
Current-regulating accuracy	≤±1%
Ripple coefficient	RMS: ±0.5%; Peak: ≤±1%
Metering accuracy	0.5%
Efficiency	≥94%
Cable length	5m
<b>Protection</b>	
Over voltage protection	Yes
Under voltage protection	Yes
Over current protection	Yes
Over load protection	Yes
Over-temp protection	Yes
Emergency protection	Yes
Lightning protection	Yes
<b>Function &amp; Accessory</b>	
Display	4.3 inch screen/Opt
Ethernet/WIFI/4G	Yes/Yes/Opt
Charging mode	APP/RFID(opt)/Plug and Charge
Indicator	Yes
OCP	1.6JSON
<b>Working Environment</b>	
Ingress Protection	IP54
Operating temperature	-25°C ~+50°C
Relative humidity	5-95% non-condensing
Maximum altitude	2000m
Cooling	Forced air cooling
Standby power consumption	<20W
Noise emission	<65db
<b>Mechanical</b>	
Dimension (W/H/D)	450/670/206mm
Weight	38kg
Certificate	CE RCM








# EVD-40S

# EVD-40D

Large capacity fast DC EV charging station for public use, CCS Type 2 plug, CCS/CHAdeMO plugs(Only for EVD-40D) .



## Features

-  Programmable charging mode
  -  7 inch touch screen
  -  Comprehensive protection
  -  EU and Jap standard
  -  Multiple communication modes
  -  Flexible installation
  -  POS payment terminal
- \*Reserved installation space and power supply provided.





Model	EVD-40S	EVD-40D
<b>Input &amp; Output</b>		
Input voltage range	320~450V AC	
Rated input voltage	AC400V(3P/N/PE)	
Rated input current	AC64A	
Rated frequency	50Hz	
DC plug type	CCS Type 2(default), CHAdeMO(opt)	
Output voltage range	CCS:DC 150~1000V CHAdeMO: DC150~500V	
Rated power	40kW	
Max. output current	CCS:DC100A, CHAdeMO: DC100A	
Voltage accuracy	≤±0.5%	
Current accuracy	≤±1%(at 20%-100% of rated power)	
Voltage-regulating accuracy	≤±0.5%	
Current-regulating accuracy	≤±1%	
Ripple coefficient	RMS: ±0.5%; Peak: ≤±1%	
Metering accuracy	0.5%	
Efficiency	>94%	
Cable length	5m	
<b>Protection</b>		
Over voltage protection	Yes	
Under voltage protection	Yes	
Over current protection	Yes	
Over load protection	Yes	
Over-temp protection	Yes	
Emergency protection	Yes	
Lightning protection	Yes	
<b>Function &amp; Accessory</b>		
Display	7 inch touch screen	
Ethernet/WIFI/4G	Yes/Yes/Opt	
Charging mode	APP/RFID(opt)/Plug and Charge	
Indicator	Yes	
OCCP	1.6JSON	
<b>Working Environment</b>		
Ingress Protection	IP54	
Operating temperature	-25°C ~+50°C	
Relative humidity	5-95% non-condensing	
Maximum altitude	2000m	
Cooling	Forced air cooling	
Standby power consumption	<30W	
Noise emission	≤65db	
<b>Mechanical</b>		
Dimension (W/H/D)	632/858/300mm	
Weight	82kg	93kg
Certificate	CE RCM	

# EVD-80D

Large capacity fast DC EV charging station for public use, dual CCS Type 2 plugs.



## Features

-  Programmable charging mode
-  Comprehensive protection
-  Multiple communication modes
-  POS payment terminal  
\*Reserved installation space and power supply provided.
-  7 inch touch screen
-  EU standard
-  Dual output ports

Model	EVD-80D
<b>Input &amp; Output</b>	
Input voltage range	320~450V AC
Rated input voltage	AC400V(3P/N/PE)
Rated input current	AC122A
Rated frequency	50Hz
DC plug type	CCS Type 2, double plugs
Output voltage range	CCS:DC 150~1000V
Rated power	80kW
Max. output current	CCS:DC200A
Voltage accuracy	≤±0.5%
Current accuracy	≤±1%(at 20%-100% of rated power)
Voltage-regulating accuracy	≤±0.5%
Current-regulating accuracy	≤±1%
Ripple coefficient	RMS: ±0.5%; Peak: ≤±1%
Metering accuracy	0.5%
Efficiency	≥94%
Cable length	5m
<b>Protection</b>	
Over voltage protection	Yes
Under voltage protection	Yes
Over current protection	Yes
Over load protection	Yes
Over-temp protection	Yes
Emergency protection	Yes
Lightning protection	Yes
<b>Function &amp; Accessory</b>	
Display	7 inch touch screen
Ethernet/WIFI/4G	Yes/Yes/Opt
Charging mode	APP/RFID(opt)/Plug and Charge
Indicator	Yes
OCCP	1.6JSON
<b>Working Environment</b>	
Ingress Protection	IP54
Operating temperature	-25°C ~+50°C
Relative humidity	5-95% non-condensing
Maximum altitude	2000m
Cooling	Forced air cooling
Standby power consumption	<50W
Noise emission	≤65db
<b>Mechanical</b>	
Dimension (W/H/D)	632/858/300mm
Weight	95kg
Certificate	CE

# EVD-80/120/160/200D-X

Large capacity fast DC EV charging station for public use, double CCS plugs with automatic power adjustment between 2 plugs.



## Features

-  Programmable charging mode
  -  7 inch touch screen
  -  Comprehensive protection
  -  EU standard
  -  Multiple communication modes
  -  Dual output ports
  -  POS payment terminal
- \*Reserved installation space and power supply provided.








Model	EVD-80D-X	EVD-120D-X	EVD-160D-X	EVD-200D-X
<b>Input &amp; Output</b>				
Input voltage range	320~450V AC			
Rated input voltage	AC400V(3P/N/PE)			
Rated input current	AC125A	AC185A	AC245A	AC305A
Rated frequency	50Hz			
DC plug type	CCS Type2, double plugs			
Output voltage range	CCS: DC150-1000V			
Rated power	80kW	120kW	160kW	200kW
Max. output current	CCS: DC200A			
Voltage-regulating accuracy	≤±0.5%			
Current-regulating accuracy	≤±1%			
Ripple coefficient	RMS: ≤±0.5%; Peak: ≤±1%			
Metering accuracy	0.5%			
Efficiency	>95%			
Cable Length	5m			
<b>Protection</b>				
Over voltage protection	Yes			
Under voltage protection	Yes			
Over current protection	Yes			
Over load protection	Yes			
Short circuit protection	Yes			
Earth leakage protection	Yes			
Emergency protection	Yes			
Over-temp protection	Yes			
Lightning protection	Yes			
<b>Function &amp; Accessory</b>				
Display	7 inch touch screen			
Ethernet/WIFI/4G	Yes/Yes/Opt			
Charging mode	APP/RFID/Plug and Charge/VIN			
Indicator	Yes			
Emergency stop	Yes			
OCP	1.6JSON			
<b>Working Environment</b>				
Ingress Protection	IP54			
Operating temperature	-25°C ~+50°C			
Relative humidity	5-95% non-condensing			
Maximum altitude	2000m			
Cooling	Forced air cooling			
Standby power consumption	<100W	<120W	<120W	<135W
Noise emission	≤65db			
<b>Mechanical</b>				
Dimension (W/H/D)	600/1883/803mm			
Weight	260kg	275kg	289kg	310kg
<b>Certificate</b>				
CE				

# REVO EVD-240/280/320/360D

Large capacity fast DC EV charging station, double CCS outputs with automatic power adjustment, each output supports max. 200A current with wide voltage coverage.



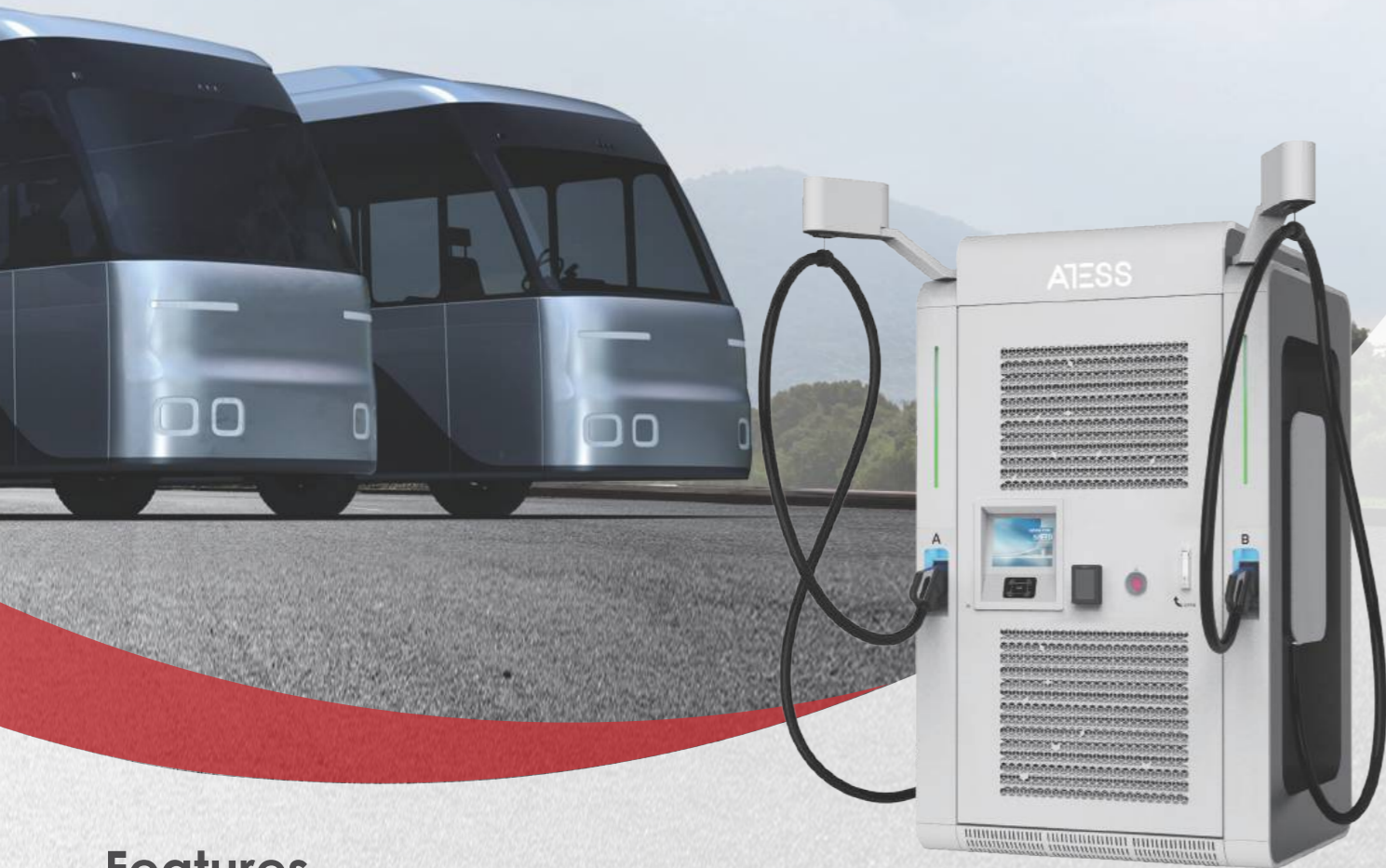
## Features

-  Programmable charging mode
-  Comprehensive protection
-  Multiple communication modes
-  POS payment terminal  
\*Reserved installation space and power supply provided.
-  10.4 inch touch screen
-  EU standard
-  Dual output ports
-  Charging cable balancer, effortless cable handling



Model	REVO EVD-240D	REVO EVD-280D	REVO EVD-320D	REVO EVD-360D
<b>Input &amp; Output</b>				
Input voltage range	362-438V AC			
Rated input voltage	AC400V(3P/N/PE)			
Rated input current	370A	430A	490A	552A
Rated frequency	50Hz			
DC plug type	CCS Type 2,double plugs			
Output voltage range	CCS:DC 150-1000V			
Rated power	240kW	280kW	320kW	360kW
Max. output current	CCS: DC200A			
Voltage accuracy	≤±0.5%			
Current accuracy	≥30A: ≤±1% ; <30A: ≤±0.3A			
Voltage-regulating accuracy	≤±0.5%			
Current-regulating accuracy	≤±1%			
Ripple coefficient	RMS: ≤±0.5%; Peak: ≤±1%			
Metering accuracy	0.5%			
Efficiency	>95%			
Cable length	5m			
<b>Protection</b>				
Over voltage protection	Yes			
Under voltage protection	Yes			
Over current protection	Yes			
Over load protection	Yes			
Over-temp protection	Yes			
Emergency protection	Yes			
Earth leakage protection	Yes			
Short circuit protection	Yes			
Lightning protection	Yes			
<b>Function &amp; Accessory</b>				
Display	10.4 inch touch screen			
Ethernet/WIFI/4G	Yes/Yes/Opt			
Charging mode	APP/RFID/Plug and Charge/VIN			
Indicator	Yes			
Emergency stop	Yes			
Charging cable balancer	Yes			
OCPP	1.6JSON			
<b>Working Environment</b>				
Ingress Protection	IP54			
Operating temperature	-25°C ~+50°C			
Relative humidity	5-95% non-condensing			
Maximum altitude	2000m			
Cooling	Forced air cooling			
Standby power consumption	<100W	<120W	<140W	<160W
Noise emission	≤65db			
<b>Mechanical</b>				
Dimension (W/H/D)	1250/2097/1000mm			
	1824/2248/1373mm (with Cable balancer)			
Weight	549kg	566kg	583kg	598kg
<b>Certificate</b>	CE			

# REVO EVD-400/480D

Large capacity fast DC EV charging station, double CCS outputs with automatic power adjustment, each output supports max. 600A current with wide voltage coverage.



## Features

-  Programmable charging mode
-  Comprehensive protection
-  Multiple communication modes
-  POS payment terminal
-  10.4 inch touch screen
-  EU standard
-  Dual output ports
-  Charging cable balancer, effortless cable handling

\*Reserved installation space and power supply provided.

Model	REVO EVD-400D	REVO EVD-480D
<b>Input &amp; Output</b>		
Input voltage range	362~438V AC	
Rated input voltage	AC400V(3P/N/PE)	
Rated input current	AC 610A	AC 735A
Rated frequency	50Hz	
DC plug type	CCS Type 2, double plugs	
Output voltage range	CCS: DC 150~1000V	
Rated power	400kW	480kW
Max. output current	380A (Nominal), 500A (Peak, 20min), 600A (Peak, 10min)	
Voltage accuracy	≤±0.5%	
Current accuracy	≥30A: ≤±1%; <30A: ≤±0.3A	
Voltage-regulating accuracy	≤±0.5%	
Current-regulating accuracy	≤±1%	
Ripple coefficient	RMS: ≤±0.5%; Peak: ≤±1%	
Metering accuracy	0.5%	
Efficiency	>95%	
Cable Length	5m	
<b>Protection</b>		
Over voltage protection	Yes	
Under voltage protection	Yes	
Over current protection	Yes	
Over load protection	Yes	
Over-temp protection	Yes	
Emergency protection	Yes	
Earth leakage protection	Yes	
Short circuit protection	Yes	
Lightning protection	Yes	
<b>Function &amp; Accessory</b>		
Display	10.4 inch touch screen	
Ethernet/WIFI/4G	Yes/Yes/Opt	
Charging mode	APP/RFID/Plug and Charge/VIN	
Indicator	Yes	
Emergency stop	Yes	
Charging cable balancer	Yes	
OCPP	1.6JSON	
<b>Working Environment</b>		
Ingress Protection	IP54	
Operating temperature	-25°C ~+50°C	
Relative humidity	5-95% non-condensing	
Maximum altitude	2000m	
Cooling	Forced air cooling	
Standby power consumption	<150W	<200W
Noise emission	≤65db	
<b>Mechanical</b>		
Dimension (W/H/D)	1250/2097/1000mm	
	1824/2248/1373mm (with Cable balancer)	
Weight	700kg	732kg
Certificate	CE	











# EVC-AC22S/DC200D-X EVC-AC44S/DC200D-X

Large capacity fast combo EV charging station for public use, single AC charging plug + dual DC charging plugs.



## Features

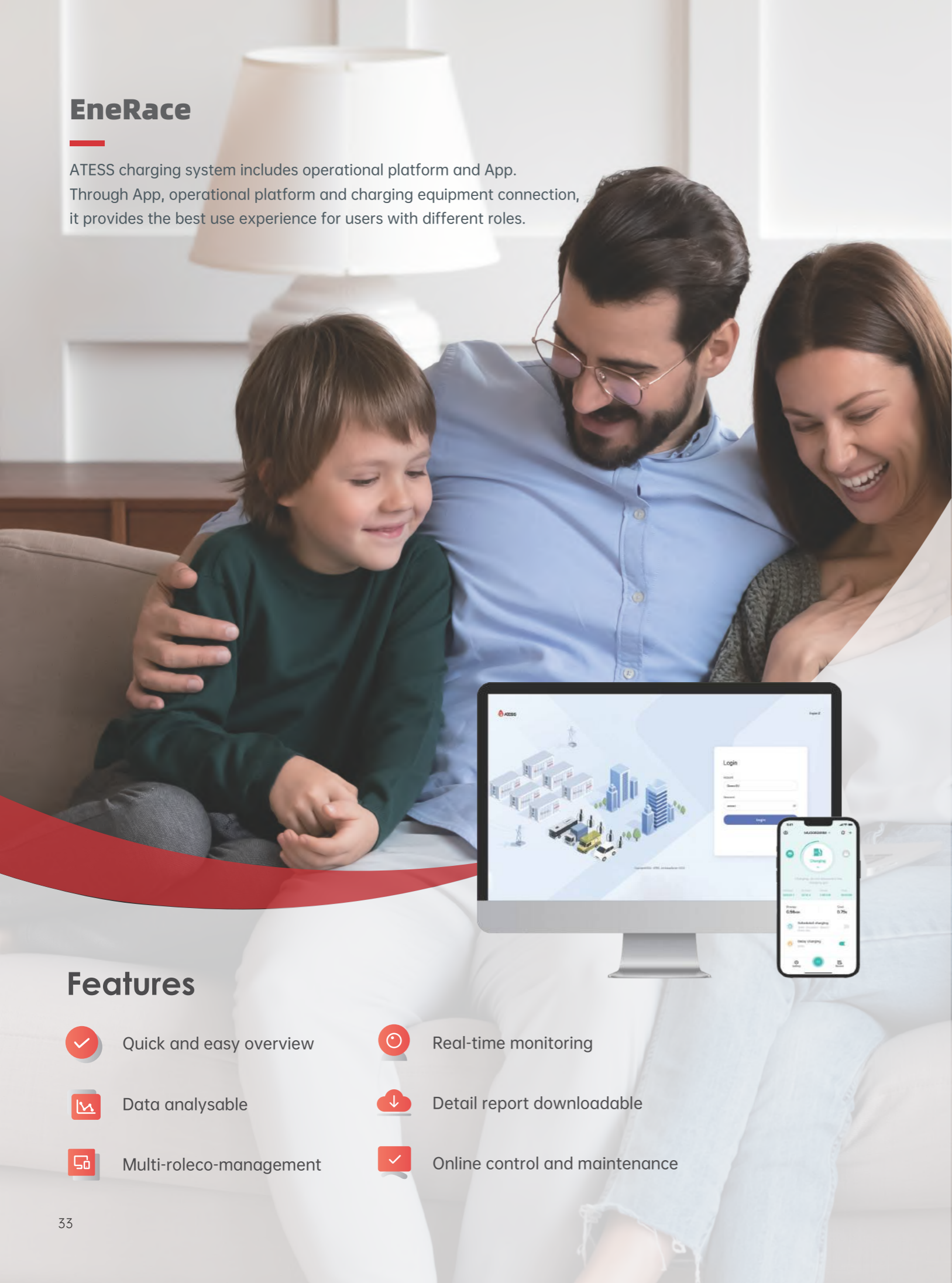
-  Programmable charging mode
-  Comprehensive protection
-  Multiple communication modes
-  3 output ports
-  7 inch touch screen
-  EU standard
-  AC&DC combo charger
-  POS payment terminal

\*Reserved installation space and power supply provided.







Model	EVC-AC22S/DC200D-X	EVC-AC44S/DC200D-X
<b>Input &amp; Output</b>		
Input voltage range	320-450V AC	
Rated input voltage	AC400V(3P/N/PE)	
Rated input current	AC337A	AC368A
Frequency	50Hz	
AC connection	IEC 62196-2, Type 2, plug*1	
DC connection	CCS type2, double plugs	
Output voltage range	DC:150-1000V AC:400V	
Max output current	DC:200A AC:32A	DC:200A AC:63A
Rated power	222KW	244KW
Voltage accuracy (DC)	≤±0.5%	
Current accuracy (DC)	≤±1%(at 20%-100% of rated power)	
Ripple coefficient (DC)	RMS: ≤±0.5%; Peak: ≤±1%	
Metering accuracy	0.5%	
Efficiency (DC)	>95%	
Cable Length	5m	
<b>Protection</b>		
Over voltage protection	Yes	
Under voltage protection	Yes	
Over current protection	Yes	
Over load protection	Yes	
Short circuit protection	Yes	
Earth leakage protection	Yes	
Emergency protection	Yes	
Over-temp protection	Yes	
Lightning protection	Yes	
<b>Function &amp; Accessory</b>		
Display	7 inch touch screen	
Ethernet/WIFI/4G	Yes/Yes/Opt	
Charging mode	APP/RFID/Plug and Charge/VIN	
Indicator	Yes	
Emergency stop	Yes	
OCCP	1.6JSON	
<b>Working Environment</b>		
Ingress Protection	IP54	
Operating temperature	-25°C ~+50°C	
Relative humidity	5-95% non-condensing	
Maximum altitude	2000m	
Cooling	Forced air cooling	
Standby power consumption	<150W	
Noise emission	≤65db	
<b>Mechanical</b>		
Dimension (W/H/D)	600/1883/803mm	
Weight	311kg	316kg
<b>Certificate</b>	CE	





# EneRace

ATESS charging system includes operational platform and App. Through App, operational platform and charging equipment connection, it provides the best use experience for users with different roles.

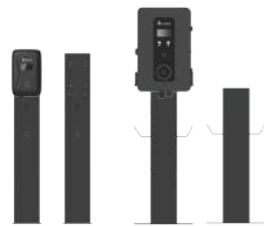


## Features

-  Quick and easy overview
-  Real-time monitoring
-  Data analysable
-  Detail report downloadable
-  Multi-roleco-management
-  Online control and maintenance

EneRace	
Charging system	The charging system includes operational platform and App. Through App, operational platform and charging equipment connection, it provides the best use experience for users with different roles.
Operational platform	Operational platform mainly for operators to provide user management, monitoring and fault early warning, RFID card charger management functions such as service.
Mobile APP	<p>Mobile App for end users to provide remote monitoring, charging in advance, peak valley charging function such as service.</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  <p> Download on the App Store</p> </div> <div style="text-align: center;">  <p> GET IT ON Google Play</p> </div> </div>

# Accessories



Model	NOVO EVA-07/11/22S-S/P	NOVO EVA-07/11/22D-SEW/PEW
Mounting pole		
Dimension (W/H/D)	255/1500/154mm	360/906.5/250mm
Weight	11kg	10kg



Model	EVD-20S	EVD-80D
Mounting pole		
Dimension (W/H/D)	360/1500/260mm	500/1652/300mm
Weight	14kg	31kg



Model	EVD-40S	EVD-40D
Mounting pole		
Dimension (W/H/D)	500/1652/300mm	
Weight	30kg	



Model	CARD WRITER
Contactless IC card	Supports Mifare 1 cards, TypeA CPU cards, and TypeB CPU cards that comply with the ISO14443 standard widely applied in the market.
Standard	RF interface that complies with ISO/IEC14443 TypeA and TypeB standard
Working frequency	13.56 MHz
Perating temperature	-20°C ~ 65°C;
Storage temperature	-20°C ~ 70°C;
Relative humidity	20-90%
Protection	TypeA CPU cards and TypeB CPU cards (embedded with CPU chips) for better encryption and security



Model	Multi-charge manager
Specification	
System capacity	692.8KW
Normal input voltage/ range	400Vac 320~480Vac
Normal input frequency/ range	50/60Hz 45-55Hz/55-65Hz
Max. detection current	1000A
Charger max. connection number	32PCS
Max. communication distance	RS485 shielded twisted pair cable : 500m Ethernet cable : 100m
Dimensions(W/H/D)	364*335*145mm
Weight	6.5KG
Operating temperature	-20°C~+50°C
Protection degree	IP 65
Relative humidity	0~95%
Certification	CE

# Case

## Charging station for business district

Location: UK  
Product: EVA-22D-SE



## AC Charger installed

Location: UK  
Product: EVA-07D-SEW



## Mobile Charging Station for L'ETAPE

Location: Czech Republic  
Product: EVD-40S



## Charging station for business district

Location: UK  
Product: EVD-40D



## Charging station for business district

Location: France  
Product: EVA-11D-P



## Public charging station

Location: France  
Product: REVO EVD-180D



## Sideway charging station

Location: Italy  
Product: EVD-40S



## Fast charging station for 4S store

Location: Hungary  
Product: EVC-AC22D/DC150D

# Smart EV building

Location: Thailand  
Product: EVA-11S-P



**Case**  
Reference



## KMUTT University charging station

Location: Thailand  
Product: EVD-60D EVA-44S-P



## SCB charging station

Location: Thailand  
Product: EVD-40S



## Bus charging station

Location: Thailand  
Product: EVC-AC22D/DC150D



## GWM fast charging station

Location: Thailand  
Product: EVD-360D

# E-ferry Charging station

Location: Thailand  
Product: EVD-300D



**Case**  
Reference



## VOLVO charging station

Location: Thailand  
Product: EVD-300D



## PEA filling station

Location: Thailand  
Product: EVD-300D