Alpha Investments UK
EV Chargers Solutions

The Solution for Charging Network Operators

The Charging Solution for Parking Lots of Commercial Buildings

The Solution of Special Charging for New Energy Vehicles

The Charging Solution for Emergency Rescue

The Charging Solution for Car Rental

The Charging Solution for Expressway Service Statio

he Solution for Local Government Charging Project

The Solution for Optical Storage and Charging

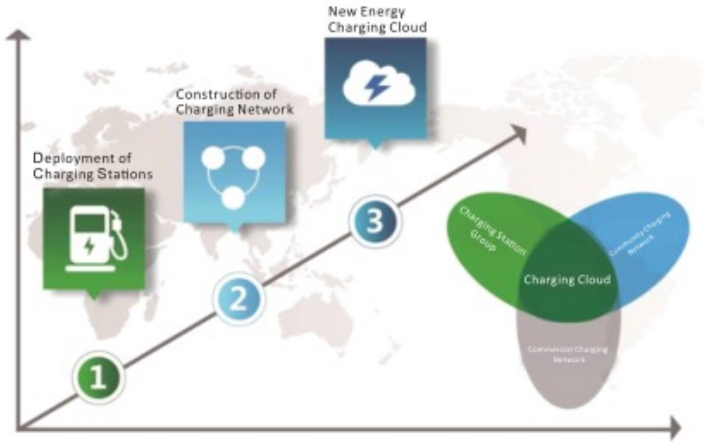
The Solution for Charging Network Operators

Applicable objects: This scheme is applicable to charging pile network operators and product operators.

Features: Seamless connected with Wechat and mobile APP, it realizes the convenience for charging, guidance, service, etc. as well as the characteristics of instant charging, simple operation, easy tracking and convenient use.

Applicable Scenes: Urban areas and surroundings, intercity expressway.

Applicable Scenes:



The Solution of Special Charging for New Energy Vehicles

Applicable objects: the manufacturers of new energy vehicles.

Features: Starting from the details and considering for customers, it makes charging safer, more economical and more convenient.

Applicable Scenes: Residential Quarters and Users of New Energy Vehicles

Intelligent terminal

The Charging Solution for Car Rental

Applicable objects: Bus groups, car rental companies, commercial real estates

Features: Combined with special network solutions, intelligent operation management systems,and power and safety monitoring systems, it is safe, reliable and efficient to meet the needs of electric vehicles.

Applicable Scenes: Bus stops, logistics centers, leasing companies and operating locations

Intelligent terminal

The Solution for Local Government Charging project

Applicable objects: Government Bidding Projects and Operating Projects of Enterprises and Institutions.

Features: it provides innovative models and service solutions for the government to promote the development of new energy vehicles, and shares the win-win cooperation concept to promote the development of industry and market.

Applicable Scenes: Theme parks, large venues and other public places.

Intelligent terminal

The Charging Solution for Parking Lots of Commercial Buildings

Applicable objects: Product operators, multimedia operators, etc

Features: It makes full use of the environmental resources of the scenes, and extends the energy service chain to save investment costs and enhance service values.

Applicable Scenes: Bus stops, logistics centers, leasing companies and operating locations.

Intelligent terminal

The Charging Solution for Emergency Rescue

Applicable objects: Product operators, new energy vehicle sales centers, electric vehicle commissioning areas, etc.

Features: Contributed to the construction of "Smart Transport" and "Smart City", it integrates multiple functions, and different serials of products can reliably meet the emergency charging needs of terminal customers in multiple scenarios, which realizes the diversified management of cities.

Applicable Scenes: Electric vehicle 4S shops, electric vehicle debugging areas, road vehicle accident scenes and other occasions which require mobile power supply, as well as the construction of street lamp charging stations in urban designated areas.

Intelligent terminal

The Charging Solution For Expressway Service Station

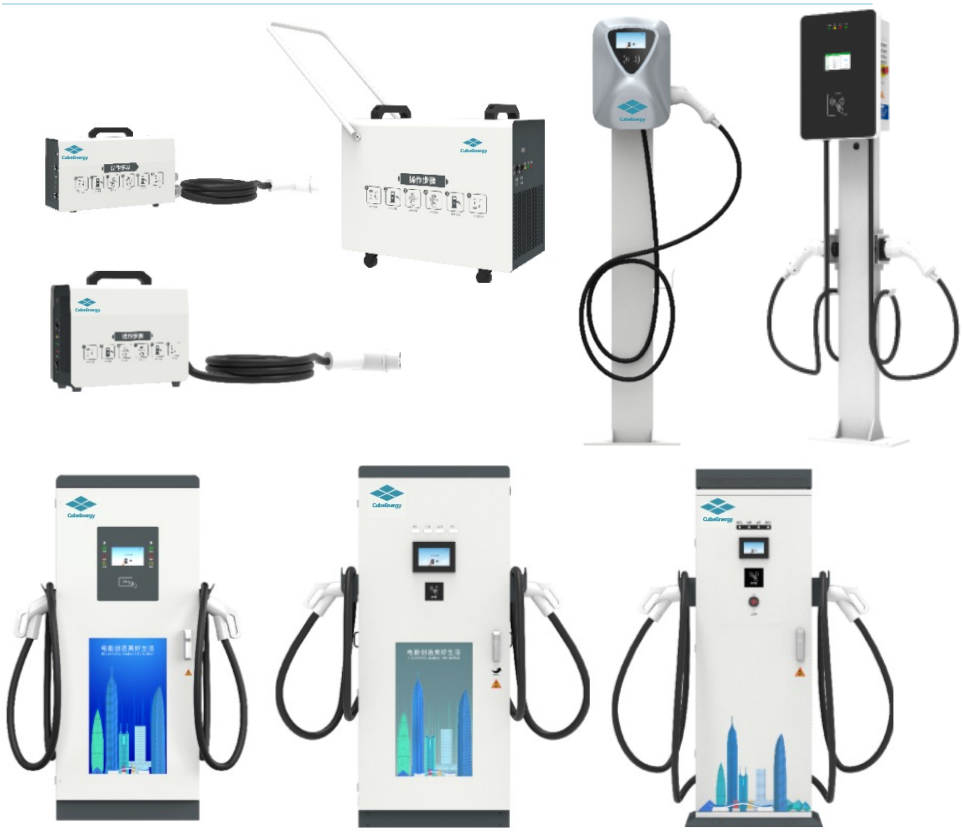
Applicable objects: Product operators, High Speed/Intercity Service Station Operations

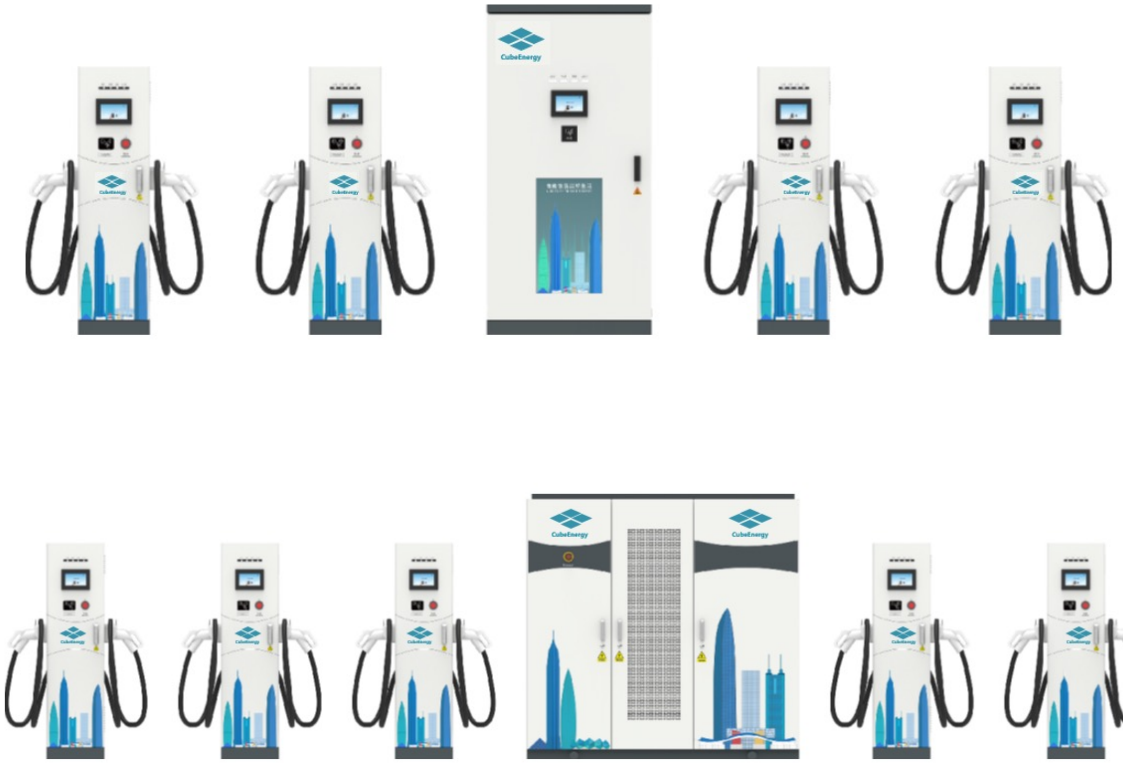
Features: The intelligent operation management schemes meet the needs of continuation of the journey. Fast and convenient: Fast charging technology that saves time for users It's safe, reliable and efficient to meet the long-distance charging requirements of electric vehicles

Applicable Scenes: Expressway and Intercity Expressway.

Intelligent terminal

4.0 Charger Product





4.1 3.5KW/7KW/11KW/22KW AC Charger

Applicable Scenes:

They are suitable for occasions such as private villas, residential areas, commercial office buildings,urban complex parking lots or urban public charging stations that can charge slowly for a long time; or applied for 4S stores of new energy vehicles, workshop debugging areas, road rescue of new energy vehicles and other occasions that require frequent change of charging station sites or temporary power supply.

Features:

- Delicate appearance, simple operation, convenient installation;
- High efficiency, reliable and stable performance;
- Friendly interaction interface, 4.3-inch/7 inch color touch screen(optional);
- Support multiple modes of charging, operation management and payment;
- Support Ethernet or wireless telecommunication;
- Support RFID Card/OCPP 1.6J (optional);
- Support Type-2 connector(or Socket)optional;
- Overload integrated Protection;
- Support online data upgrade.

S. NO.	Parameters	Requirements			
General Requirements					
1	EV Charger Type	AC			
2	Charger Capacity	3.5KW	7KW	11KW	22KW
3	Product Model NO.	ENC-ACB/L003P5A-S ANSI-ACB/L003P5A-S	ENC-ACB/L007A-S ANSI-ACB/L007A-S	ENC-ACB/L011A-S ANSI-ACB/L011A-S	ENC-ACB/L022A-S
4	Mounting	Wall-Mounted/Column Type			
Input Requirements					
5	AC Supply System	Single-Phase, 3 Wire AC system		Single-Phase, 3 Wire AC system(ANSI) Three-Phase, 5 Wire AC system(ENC)	
6	Nominal Input Voltage	AC220V±15%(ENC) AC240V±15%(ANSI)		AC380V±15%(ENC) AC240V±15%(ANSI)	AC380V±15%
7	InputFrequency	50±3Hz			
Environmental Requirements					
8	Ambient Temperature Range	-25 to 55°C			
9	Ambient Humidity	5 to 95%			
10	Storage Temperature	-40 to 70°C			
Mechanical Requirements					
11	IP Ratings	IP 55			
12	Cooling	Natural Cooling			
Output Requirements					
13	Number of Outputs	1			
14	Type of Each Output	AC220V±15%(ENC) AC240V±15%(ANSI)		AC380V±15%(ENC) AC240V±15%(ANSI)	AC380V±15%
15	Single Output Max. Current	16 Amp	32 Amp	16 Amp/50 Amp	32 Amp
User Interface & Display Requirements					
16	Display & Touch-Screen Size	4.3 InchesTouch Screen			
17	User Authentication	Mobile Application or User Interface / QR Code/RFID Card /Password Login			
18	Metering Information	Consumption Units			
Communication Requirements					
19	Communication between EVSE and Central Server	OCPP 1.6J Protocol (Optional)			
20	Interface between Charger and CMS	Ethernet/3G/4G/WIFI (Optional)			
Protection & Safety Requirements					
21	Executive Standard	IEC 62196 2017, IEC 61851 2017, SAE J1772, etc.			
22	Safety Parameters	Over Current, Under Voltage, Residual Current, Surge Protection, Leakage Protection, Short Circuit, Over Temperature, etc.			

4.2 3.5KW/7KW/11KW/22KW AC Charger

Applicable Scenes:

They are suitable for occasions such as private villas, residential areas, commercial office buildings,urban complex parking lots or urban public charging stations that can charge slowly for a long time; or applied for 4S stores of new energy vehicles, workshop debugging areas, road rescue of new energy vehicles and other occasions that require frequent change of charging station sites or temporary power supply.

Features:

- Delicate appearance, simple operation, convenient installation;
- High efficiency, reliable and stable performance;
- Friendly interaction interface, 4.3-inch/7 inch color touch screen(optional);
- Support multiple modes of charging, operation management and payment;
- Support Ethernet or wireless telecommunication;
- Support RFID Card/OCPP 1.6J (optional);
- Support Type-2 connector(or Socket)optional;
- Overload integrated Protection;
- Support online data upgrade.

S. NO.	Parameters	Requirements			
General Requirements					
1	EV Charger Type	AC			
2	Charger Capacity	3.5KW	7KW	11KW	22KW
3	Product Model NO.	ENC-ACB/L003P5A ANSI-ACB/L003P5A	ENC-ACB/L007A ANSI-ACB/L007A	ENC-ACB/L011A ANSI-ACB/L011A	ENC-ACB/L022A
4	Mounting	Wall-Mounted/Column Type			
Input Requirements					
5	AC Supply System	Single-Phase, 3 Wire AC system		Single-Phase, 3 Wire AC system(ANSI) Three-Phase, 5 Wire AC system(ENC)	
6	Nominal Input Voltage	AC220V±15%(ENC) AC240V±15%(ANSI)		AC380V±15%(ENC) AC240V±15%(ANSI)	AC380V±15%
7	Input Frequency	50±3Hz			
Environmental Requirements					
8	Ambient Temperature Range	-25 to 55°C			
9	Ambient Humidity	5 to 95%			
10	Storage Temperature	-40 to 70°C			
Mechanical Requirements					
11	IP Ratings	IP 55			
12	Cooling	Natural Cooling			
Output Requirements					
13	Number of Outputs	1			
14	Type of Each Output	AC220V±15%(ENC) AC240V±15%(ANSI)		AC380V±15%(ENC) AC240V±15%(ANSI)	AC380V±15%
15	Single Output Max. Current	16 Amp	32 Amp	16 Amp/50 Amp	32 Amp
User Interface & Display Requirements					
16	Display & Touch-Screen Size	4.3 Inches Touch Screen			
17	User Authentication	Mobile Application or User Interface / QR Code/RFID Card /Password Login			
18	Metering Information	Consumption Units			
Communication Requirements					
19	Communication between EVSE and Central server	OCPP 1.6J Protocol (Optional)			
20	Interface between Charger and CMS	Ethernet/3G/4G/WIFI (Optional)			
Protection & Safety Requirements					
21	Executive Standard	IEC 62196 2017, IEC 61851 2017, SAE J1772, etc.			
22	Safety Parameters	Over Current, Under Voltage, Residual Current, Surge Protection, Leakage Protection, Short Circuit, Over Temperature, etc.			

4.3 7KW/11KW/22KW AC Charger

Applicable Scenes:

They are suitable for occasions such as city special chargingstations that provide charging for bus, taxi,public service vehicles, sanitation vehicles, logistics vehicles, city public charging stations that provide charging for private cars, commuter, bus;intercity highway charging stations and other occasions that need special AC fast charging.

Features:

- Delicate appearance, simple operation, convenient installation;
- High efficiency, reliable and stable performance;
- Friendly interaction interface, 4.3-inch/7inch color touch screen(optional);
- Support multiple modes of charging, operation management and payment;
- Support Ethernet or wireless telecommunication;
- Support RFID Card/OCPP 1.6J (optional);
- Support Type-2/type-1/connector(or Socket)optional;
- Overload integrated Protection;
- Support online data upgrade.

S. NO.	Parameters	Requirements		
General Requirements				
1	EV Charger Type	AC		
2	Charger Capacity	7KW	11KW	22KW
3	Product Model NO.	ENC-ACL007A ANSI-ACL007A	ENC-ACL011A ANSI-ACL011A	ENC-ACL022A/B ANSI-ACL022B
4	Mounting	Ground-Mounted		
Input Requirements				
5	AC Supply System	Single-Phase, 3 Wire AC system	Single-Phase, 3 Wire AC system(ANSI) Three-Phase, 5 Wire AC system(ENC)	
6	Nominal Input Voltage	AC220V±15%(ENC) AC240V±15%(ANSI)	AC380V±15%(ENC) AC240V±15%(ANSI)	AC380V±15%(ENC) AC240V±15%(ANSI)
7	Input Frequency	50±3Hz		
Environmental Requirements				
8	Ambient Temperature Range	-25 to 55°C		
9	Ambient Humidity	5 to 95%		
10	Storage Temperature	-40 to 70°C		
Mechanical Requirements				
11	IP Ratings	IP 54		
12	Cooling	Natural Cooling	Air-cooled	
Output Requirements				
13	Number of Outputs	1		1 or 2(ENC); 2(ANSI)
14	Type of Each Output	AC220V±15%(ENC) AC240V±15%(ANSI)	AC380V±15%(ENC) AC240V±15%(ANSI)	AC380V±15%(ENC) AC240V±15%(ANSI)
15	Single Output Max. Current	32 Amp	16 Amp/50 Amp	32 Amp/16 Amp(ENC) 50 Amp(ANSI)
User Interface & Display Requirements				
16	Display & Touch-Screen Size	4.3 Inches Touch Screen		
17	User Authentication	Mobile Application or User Interface / QR Code/RFID Card /Password Login		
18	Metering Information	Consumption Units		
Communication Requirements				
19	Communication between EVSE and Central server	OCPP 1.6J Protocol (Optional)		
20	Interface between Charger and CMS	Ethernet/3G/4G/WIFI (Optional)		
Protection & Safety Requirements				
21	Executive Standard	IEC 62196 2017, IEC 61851 2017, SAE J1772, etc.		
22	Safety Parameters	Over Current, Under Voltage, Residual Current, Surge Protection, Leakage Protection, Short Circuit, Over Temperature, etc.		

4.4 20KW/30KW DC Charger

Applicable Scenes:

They are suitable for occasions such as city special charging stations that provide charging for bus, taxi, public service vehicles, sanitation vehicles,logistics vehicles, etc.; city public charging stations that provide charging for private cars, commuter, bus; intercity highway charging stations and other occasions that need special DC fast charging.

Features:

- Delicate appearance, simple operation, convenient installation;
- High efficiency, reliable and stable performance;
- Friendly interaction interface, 4.3-inch color touch screen(optional);
- Support Plug&Play;
- Overload integrated Protection;
- Support ccs-2/ccs-1/CHAdemo connector (or socket)optional;
- Support RFID card/ocpp1.6J(optional);

S. NO.	Parameters	Requirements	
General Requirements			
1	EV Charger Type	DC	
2	Charger Capacity	20KW	30KW
3	Product Model NO.	ENC-DCB020A ANSI-DCB020A JIS-DCB020A	ENC-DCB030A ANSI-DCB030A JIS-DCB030A
4	Mounting	Wall-Mounted	
Input Requirements			
5	AC Supply System	Three-Phase, 5 Wire AC system	
6	Nominal Input Voltage	AC380V±15%	
7	Input Frequency	45-65Hz	
Environmental Requirements			
8	Ambient Temperature Range	-25 to 55°C	
9	Ambient Humidity	5 to 95%	
10	Storage Temperature	-40 to 70°C	
Mechanical Requirements			
11	IP Ratings	IP 54	
12	Cooling	Air-cooled	
Output Requirements			
13	Number of Outputs	1	
14	Type of Each Output	DC200-750V DC150-500V(JIS)	
15	Single Output Max. Current	80 Amp	125 Amp
16	Power Factor	≥0.99(50% load above)	
User Interface & Display Requirements			
17	Display & Touch-Screen Size	7 Inches Touch Screen with Shell	
18	User Authentication	Mobile Application or User Interface / QR Code/RFID Card /Password Login	
19	Metering Information	Consumption Units	
Communication Requirements			
20	Communication between EVSE and Central server	OCPP 1.6J Protocol (Optional)	
21	Interface between Charger and CMS	Ethernet/3G/4G/WIFI (Optional)	
Protection & Safety Requirements			
22	Executive Standard	IEC 62196 2017, IEC 61851 2017, SAE J1772,CHAdeMO etc.	
23	Safety Parameters	Over Current, Under Voltage, Residual Current, Surge Protection, Leakage Protection, Short Circuit, Over Temperature, etc.	

4.5 30KW/40KW DC Charger

Applicable Scenes:

They are suitable for occasions such as city special charging stations that provide charging for bus, taxi, public service vehicles, sanitation vehicles,logistics vehicles, etc.; city public charging stations that provide charging for private cars, commuter, bus; intercity highway charging stations and other occasions that need special DC fast charging.

Features:

- Support 3G/4G,, Ethernet or wireless telecommunication;
- Simple operation, convenient installation;
- High efficiency, reliable and stable performance;
- Friendly interaction interface,7inch color touch screen;
- Support multiple modes of charging, operation management and payment;
- Support RFID Card/OCPP 1.6J (optional);
- Support CCS-2/CCS-1/CHAdeMO connector(or Socket)optional;
- Overload integrated Protection;
- Support online data upgrade.

S. NO.	Parameters	Requirements	
General Requirements			
1	EV Charger Type	DC	
2	Charger Capacity	30KW	40KW
3	Product Model NO.	ENC-DCL030A ANSI-DCL030A JIS-DCL030A	ENC-DCL040A/B ANSI-DCL040A/B JIS-DCL040A/B
4	Mounting	Ground-Mounted	
Input Requirements			
5	AC Supply System	Three-Phase, 5 Wire AC system	
6	Nominal Input Voltage	AC380V±15%	
7	Input Frequency	45-65Hz	
Environmental Requirements			
8	Ambient Temperature Range	-25 to 55°C	
9	Ambient Humidity	5 to 95%	
10	Storage Temperature	-40 to 70°C	
Mechanical Requirements			
11	IP Ratings	IP 54	
12	Cooling	Air-cooled	
Output Requirements			
13	Number of Outputs	1	1 or 2
14	Type of Each Output	DC200-750V DC150-500V(JIS)	
15	Single Output Max. Current	125 Amp	150 Amp
16	Power Factor	≥0.99(50% load above)	
User Interface & Display Requirements			
17	Display & Touch-Screen Size	7 Inches Touch Screen with Shell	
18	User Authentication	Mobile Application or User Interface / QR Code/RFID Card /Password Login	
19	Metering Information	Consumption Units	
Communication Requirements			
20	Communication between EVSE and Central server	OCPP 1.6J Protocol (Optional)	
21	Interface between Charger and CMS	Ethernet/3G/4G/WIFI (Optional)	
Protection & Safety Requirements			
22	Executive Standard	IEC 62196 2017, IEC 61851 2017, SAE J1772,CHAdeMO etc.	
23	Safety Parameters	Over Current, Under Voltage, Residual Current, Surge Protection, Leakage Protection, Short Circuit, Over Temperature, etc.	

4.6 50KW/60KW/80KW DC Charger

Applicable Scenes:

They are suitable for occasions such as city special charging stations that provide charging for bus, taxi, public service vehicles, sanitation vehicles,logistics vehicles, etc.; city public charging stations that provide charging for private cars, commuter, bus; intercity highway charging stations and other occasions that need special DC fast charging.

Features:

- Support 3G/4G,Ethernet or wireless telecommunication;
- Simple operation, convenient installation;
- High efficiency, reliable and stable performance;
- Friendly interaction interface,7inch color touch screen;
- Support multiple modes of charging, operation management and payment;
- Support RFID Card/OCPP 1.6J (optional);
- Support CCS-2/CCS-1/CHAdeMO connector(or Socket)optional;
- Overload integrated Protection;
- Support online data upgrade.

S. NO.	Parameters	Requirements	
General Requirements			
1	EV Charger Type	DC	
2	Charger Capacity	50KW/60KW	80KW
3	Product Model NO.	ENC-DCL060A/B ANSI-DCL060A/B JIS-DCL060A/B	ENC-DCL080B ANSI-DCL080B JIS-DCL080B
4	Mounting	Ground-Mounted	
Input Requirements			
5	AC Supply System	Three-Phase, 5 Wire AC system	
6	Nominal Input Voltage	AC380V±15%	
7	Input Frequency	45-65Hz	
Environmental Requirements			
8	Ambient Temperature Range	-25 to 55°C	
9	Ambient Humidity	5 to 95%	
10	Storage Temperature	-40 to 70°C	
Mechanical Requirements			
11	IP Ratings	IP 54	
12	Cooling	Air-cooled	
Output Requirements			
13	Number of Outputs	1 or 2	2
14	Type of Each Output	DC200-750V DC150-500V(JIS)	
15	Single Output Max. Current	200 Amp	
16	Power Factor	≥0.99(50% load above)	
User Interface & Display Requirements			
17	Display & Touch-Screen Size	7 Inches Touch Screen with Shell	
18	User Authentication	Mobile Application or User Interface / QR Code/RFID Card /Password Login	
19	Metering Information	Consumption Units	
Communication Requirements			
20	Communication between EVSE and Central server	OCPP 1.6J Protocol (Optional)	
21	Interface between Charger and CMS	Ethernet/3G/4G/WIFI (Optional)	
Protection & Safety Requirements			
22	Executive Standard	IEC 62196 2017, IEC 61851 2017, SAE J1772,CHAdeMO etc.	
23	Safety Parameters	Over Current, Under Voltage, Residual Current, Surge Protection, Leakage Protection, Short Circuit, Over Temperature, etc.	

4.7 90KW/100KW/120KW DC Charger

Applicable Scenes:

They are suitable for occasions such as city special charging stations that provide charging for bus, taxi, public service vehicles, sanitation vehicles,logistics vehicles, etc.; city public charging stations that provide charging for private cars, commuter, bus; intercity highway charging stations and other occasions that need special DC fast charging.

Features:

- Support 3G/4G,Ethernet or wireless telecommunication;
- Simple operation, convenient installation;
- High efficiency, reliable and stable performance;
- Friendly interaction interface,7inch color touch screen;
- Support multiple modes of charging, operation management and payment;
- Support RFID Card/OCPP 1.6J (optional);
- Support CCS-2/CCS-1/CHAdeMO connector(or Socket)optional;
- Overload integrated Protection;
- Support online data upgrade.

S. NO.	Parameters	Requirements	
General Requirements			
1	EV Charger Type	DC	
2	Charger Capacity	90KW/100KW	120KW
3	Product Model NO.	ENC-DCL100B ANSI-DCL100B JIS-DCL100B	ENC-DCL120B ANSI-DCL120B JIS-DCL120B
4	Mounting	Ground-Mounted	
Input Requirements			
5	AC Supply System	Three-Phase, 5 Wire AC system	
6	Nominal Input Voltage	AC380V±15%	
7	Input Frequency	45-65Hz	
Environmental Requirements			
8	Ambient Temperature Range	-25 to 55°C	
9	Ambient Humidity	5 to 95%	
10	Storage Temperature	-40 to 70°C	
Mechanical Requirements			
11	IP Ratings	IP 54	
12	Cooling	Air-cooled	
Output Requirements			
13	Number of Outputs	2	
14	Type of Each Output	DC200-750V DC150-500V(JIS)	
15	Single Output Max. Current	200 Amp	
16	Power Factor	≥0.99(50% load above)	
User Interface & Display Requirements			
17	Display & Touch-Screen Size	7 Inches Touch Screen with Shell	
18	User Authentication	Mobile Application or User Interface / QR Code/RFID Card /Password Login	
19	Metering Information	Consumption Units	
Communication Requirements			
21	Communication between EVSE and Central server	OCPP 1.6J Protocol (Optional)	
21	Interface between Charger and CMS	Ethernet/3G/4G/WIFI (Optional)	
Protection & Safety Requirements			
22	Executive Standard	IEC 62196 2017, IEC 61851 2017, SAE J1772,CHAdeMO etc.	
23	Safety Parameters	Over Current, Under Voltage, Residual Current, Surge Protection, Leakage Protection, Short Circuit, Over Temperature, etc.	

4.8 160KW/180KW/240KW DC Charger

Applicable Scenes:

They are suitable for occasions such as city special charging stations that provide charging for bus, taxi, public service vehicles, sanitation vehicles,logistics vehicles, etc.; city public charging stations that provide charging for private cars, commuter, bus; intercity highway charging stations and other occasions that need special DC fast charging.

Features:

- Support 3G/4G,, Ethernet or wireless telecommunication;
- Simple operation, convenient installation;
- High efficiency, reliable and stable performance;
- Friendly interaction interface,7inch color touch screen;
- Support multiple modes of charging, operation management and payment;
- Support RFID Card/OCPP 1.6J (optional);
- Support CCS-2/CCS-1/CHAdeMO connector(or Socket)optional;
- Overload integrated Protection;
- Support online data upgrade.

S. NO.	Parameters	Requirements		
General Requirements				
1	EV Charger Type	DC		
2	Charger Capacity	160KW	180KW	240KW
3	Product Model NO.	ENC-DCL160B ANSI-DCL160B JIS-DCL160B	ENC-DCL180B ANSI-DCL180B JIS-DCL180B	ENC-DCL240B ANSI-DCL240B JIS-DCL240B
4	Mounting	Ground-Mounted		
Input Requirements				
5	AC Supply System	Three-Phase, 5 Wire AC system		
6	Nominal Input Voltage	AC380V±15%		
7	Input Frequency	45-65Hz		
Environmental Requirements				
8	Ambient Temperature Range	-25 to 55°C		
9	Ambient Humidity	5 to 95%		
10	Storage Temperature	-40 to 70°C		
Mechanical Requirements				
11	IP Ratings	IP 54		
12	Cooling	Air-cooled		
Output Requirements				
13	Number of Outputs	2		
14	Type of Each Output	DC200-750V DC150-500V(JIS)		
15	Single Output Max. Current	200 Amp		
16	Power Factor	≥0.99(50% load above)		
User Interface & Display Requirements				
17	Display & Touch-Screen Size	7 Inches Touch Screen with Shell		
18	User Authentication	Mobile Application or User Interface / QR Code/RFID Card /Password Login		
19	Metering Information	Consumption Units		
Communication Requirements				
20	Communication between EVSE and Central server	OCPP 1.6J Protocol (Optional)		
21	Interface between Charger and CMS	Ethernet/3G/4G/WIFI (Optional)		
Protection & Safety Requirements				
22	Executive Standard	IEC 62196 2017, IEC 61851 2017, SAE J1772,CHAdeMO etc.		
23	Safety Parameters	Over Current, Under Voltage, Residual Current, Surge Protection, Leakage Protection, Short Circuit, Over Temperature, etc.		

4.9 300KW/360KW/480KW DC Charger

Applicable Scenes:

They are suitable for occasions such as city special charging stations that provide charging for bus, taxi, public service vehicles, sanitation vehicles,logistics vehicles, etc.; city public charging stations that provide charging for private cars, commuter, bus; intercity highway charging stations and other occasions that need special DC fast charging.

Features:

- Support 3G/4G,, Ethernet or wireless telecommunication;
- Simple operation, convenient installation;
- High efficiency, reliable and stable performance;
- Friendly interaction interface,7inch color touch screen;
- Support multiple modes of charging, operation management and payment;
- Support RFID Card/OCPP 1.6J (optional);
- Support CCS-2/CCS-1/CHAdeMO connector(or Socket)optional;
- Overload integrated Protection;
- Support online data upgrade.

S. NO.	Parameters	Requirements		
General Requirements				
1	EV Charger Type	DC		
2	Charger Capacity	300KW	360KW	480KW
3	Product Model NO.	ENC-DCL300B ANSI-DCL300B JIS-DCL300B	ENC-DCL360B ANSI-DCL360B JIS-DCL360B	ENC-DCL480B ANSI-DCL480B JIS-DCL480B
4	Mounting	Ground-Mounted		
Input Requirements				
5	AC Supply System	Three-Phase, 5 Wire AC system		
6	Nominal Input Voltage	AC380V±15%		
7	Input Frequency	45-65Hz		
Environmental Requirements				
8	Ambient Temperature Range	-25 to 55°C		
9	Ambient Humidity	5 to 95%		
10	Storage Temperature	-40 to 70°C		
Mechanical Requirements				
11	IP Ratings	IP 54		
12	Cooling	Air-cooled		
Output Requirements				
13	Number of Outputs	2		
14	Type of Each Output	DC200-750V DC150-500V(JIS)		
15	Single Output Max. Current	200 Amp		
16	Power Factor	≥0.99(50% load above)		
User Interface & Display Requirements				
17	Display & Touch-Screen Size	7 Inches Touch Screen with Shell		
18	User Authentication	Mobile Application or User Interface / QR Code/RFID Card /Password Login		
19	Metering Information	Consumption Units		
Communication Requirements				
20	Communication between EVSE and Central server	OCPP 1.6J Protocol (Optional)		
21	Interface between Charger and CMS	Ethernet/3G/4G/WIFI (Optional)		
Protection & Safety Requirements				
22	Executive Standard	IEC 62196 2017, IEC 61851 2017, SAE J1772,CHAdeMO etc.		
23	Safety Parameters	Over Current, Under Voltage, Residual Current, Surge Protection, Leakage Protection, Short Circuit, Over Temperature, etc.		

4.10 (30KW/50KW DC*2+22kw/43KW AC*1) All-in-on type

Applicable Scenes:

They are suitable for occasions such as city special charging stations that provide charging for bus, taxi, public service vehicles, sanitation vehicles,logistics vehicles, etc.; city public charging stations that provide charging for private cars, commuter, bus; intercity highway charging stations and other occasions that need special fast charging.

Features:

- Simple operation, convenient installation;
- High efficiency, reliable and stable performance;
- Two DC output (CCS-2 /CCS-1 CHAdeMO) and one AC output (Type 2/Type1);
- Friendly interaction interface, 7inch color touch screen;
- Support multiple modes of charging, operation management and payment;
- Support RFID Card/OCPP1.6J (optional);
- Overload integrated Protection;
- Support online data upgrade.

S. NO.	Parameters	Requirements	
General Requirements			
1	EV Charger Type	2DC + 1AC	/
2	Charger Capacity	2*30KW DC + 22KW/43KW AC	2*50KW DC + 22KW /43KW AC
3	Product Model NO.	ENC-ADCL082C/ENC-ADCL103C	ENC-ADCL122C/ENC-ADCL143C
4	Mounting	Ground-Mounted	
Input Requirements			
5	AC Supply System	Three-Phase, 5 Wire AC system	
6	Nominal Input Voltage	AC380V±15%	
7	Input Frequency	45-65Hz	
Environmental Requirements			
8	Ambient Temperature Range	-25 to 55°C	
9	Ambient Humidity	5 to 95%	
10	Storage Temperature	-40 to 70°C	
Mechanical Requirements			
11	IP Ratings	IP 54	
12	Cooling	Air-cooled	/
Output Requirements			
13	Number of Outputs	3	
14	Type of Each Output	CCS-2/CCS-1: Max. 30KW, 150-750VDC, 150Amp. CHAdeMO: Max. 30KW, 150-750VDC, 150Amp. Type-2/ Type-1, 380~400Vac, 32Amp/63Amp	CCS-2/CCS-1: Max. 50KW, 150-750VDC, 200Amp. CHAdeMO: Max. 50KW, 150-750VDC, 200Amp. Type-2/ Type-1, 380~400Vac, 32Amp/63Amp
15	Power Factor	≥0.99(50% load above)	
User Interface & Display Requirements			
16	Display & Touch-Screen Size	7 Inches Touch Screen with Shell	
17	User Authentication	Mobile Application or User Interface / QR Code/RFID Card /Password Login	
18	Metering Information	Consumption Units	
Communication Requirements			
19	Communication between EVSE and Central server	OCPP 1.6J Protocol (Optional)	
20	Interface between Charger and CMS	Ethernet/3G/4G/WIFI (Optional)	
Protection & Safety Requirements			
21	Executive Standard	IEC 62196 2017, IEC 61851 2017 etc.	
22	Safety Parameters	Over Current, Under Voltage, Residual Current, Surge Protection, Leakage Protection, Short Circuit, Over Temperature, etc.	

4.11 DC 240KW Sequential Charging Station

Applicable Scenes:

They are suitable for occasions such as city special charging stations that provide charging for bus, taxi, public service vehicles, sanitation vehicles,logistics vehicles, etc.; city public charging stations that provide charging for private cars, commuter, bus; intercity highway charging stations and other occasions that need special DC fast charging.

Features:

- Support 3G/4G, Ethernet or wireless telecommunication;
- Simple operation, convenient installation;
- High efficiency, reliable and stable performance;
- Friendly interaction interface,7inch color touch screen;
- Support multiple modes of charging, operation management and payment;
- Support RFID Card/OCPP 1.6J (optional);
- Support CCS-2/CCS-1CHAdeMO connector(or Socket)optional;
- Overload integrated Protection;
- Support online data upgrade.

S. NO.	Parameters	Requirements
General Requirements		
1	EV Charger Type	DC
2	Charger Capacity	240KW
3	Product Model NO.	ENC-DCF240D;ANSI-DCF240D;JIS-DCF240D
4	Mounting	Ground-Mounted(Sequential)
Input Requirements		
5	AC Supply System	Three-Phase, 5 Wire AC system
6	Nominal Input Voltage	AC380V±15%
7	Input Frequency	45-65Hz
Environmental Requirements		
8	Ambient Temperature Range	-25 to 55°C
9	Ambient Humidity	5 to 95%
10	Storage Temperature	-40 to 70°C
Electrical indicators		
11	Current Limit Protection Value	≥110%
12	Steady pressure precision	≤±0.5%
13	Steady flow accuracy	≤±1%
14	Power Factor	≥0.99(50% load above)
Mechanical Requirements		
15	IP Ratings	IP 54
16	Cooling	Air-cooled
Output Requirements		
17	Connector Terminal	2
18	Number of Outputs	4
19	Type of Each Output	DC200-750V; DC150-500V(JIS)
20	Single Output Max. Current	200 Amp
User Interface & Display Requirements		
21	Display & Touch-Screen Size	7 Inches Touch Screen with Shell
22	User Authentication	Mobile Application or User Interface / QR Code/RFID Card /Password Login
23	Metering Information	Consumption Units
Communication Requirements		
24	Communication between EVSE and Central server	OCPP 1.6J Protocol (Optional)
25	Interface between Charger and CMS	Ethernet/3G/4G/WIFI (Optional)
Protection & Safety Requirements		
26	Executive Standard	IEC 62196 2017, IEC 61851 2017, SAE J1772,CHAdeMO etc.
27	Safety Parameters	Over Current, Under Voltage, Residual Current, Surge Protection, Leakage Protection, Short Circuit, Over Temperature, etc.

4.12 DC 360KW/480KW Sequential Charging Station

Applicable Scenes:

They are suitable for occasions such as city special charging stations that provide charging for bus, taxi, public service vehicles, sanitation vehicles,logistics vehicles, etc.; city public charging stations that provide charging for private cars, commuter, bus; intercity highway charging stations and other occasions that need special DC fast charging.

Features:

- Support 3G/4G,Ethernet or wireless telecommunication;
- Simple operation, convenient installation;
- High efficiency, reliable and stable performance;
- Friendly interaction interface,7inch color touch screen;
- Support multiple modes of charging, operation management and payment;
- Support RFID Card/OCPP 1.6J (optional);
- Support CCS-2/CCS-1CHAdeMO connector(or Socket)optional;
- Overload integrated Protection;
- Support online data upgrade.

S. NO.	Parameters	Requirements	
General Requirements			
1	EV Charger Type	DC	
2	Charger Capacity	360KW	480KW
3	Product Model NO.	ENC-DCF360F ANSI-DCF360F JIS-DCF360F	ENC-DCF480H ANSI-DCF480H JIS-DCF480H
4	Mounting	Ground-Mounted(Sequential)	
Input Requirements			
5	AC Supply System	Three-Phase, 5 Wire AC system	
6	Nominal Input Voltage	AC380V±15%	
7	Input Frequency	45-65Hz	
Environmental Requirements			
8	Ambient Temperature Range	-25 to 55°C	
9	Ambient Humidity	5 to 95%	
10	Storage Temperature	-40 to 70°C	
Electrical indicators			
11	Current Limit Protection Value	≥110%	
12	Steady pressure precision	≤±0.5%	
13	Steady flow accuracy	≤±1%	
14	Power Factor	≥0.99(50% load above)	
Mechanical Requirements			
15	IP Ratings	IP 54	
16	Cooling	Air-cooled	
Output Requirements			
17	Connector Terminal	3	4
18	Number of Outputs	6	8
19	Type of Each Output	DC200-750V DC150-500V(JIS)	
20	Single Output Max. Current	200 Amp	
User Interface & Display Requirements			
21	Display & Touch-Screen Size	7 Inches Touch Screen with Shell	
22	User Authentication	Mobile Application or User Interface / QR Code/RFID Card /Password Login	
23	Metering Information	Consumption Units	
Communication Requirements			
24	Communication between EVSE and Central server	OCPP 1.6J Protocol (Optional)	
25	Interface between Charger and CMS	Ethernet/3G/4G/WIFI (Optional)	
Protection & Safety Requirements			
21	Executive Standard	IEC 62196 2017, IEC 61851 2017, SAE J1772,CHAdeMO etc.	
22	Safety Parameters	Over Current, Under Voltage, Residual Current, Surge Protection, Leakage Protection, Short Circuit, Over Temperature, etc.	

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