



New Energy Vehicle Charging Overall Solution

Add: No. 81 HuXing West Road, HuShan New Business Village, Shiwan Town, Huizhou City ,Guangdong, China.

Tel: +86 400 800 7103

E-mail: office@shamana-china.com Website: www.shamana-china.com www.fannergy.com





Version:V4.1



CASE INTRODUCTION



Shenzhen Pinghu Pingda Charging Station



Shenzhen Shuanglong Charging Station



Guangxi Guilin Huancheng Charging Station



Haikou Railway Station Charging Station

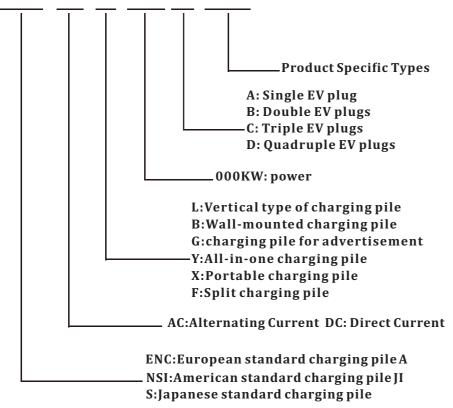
CONTENTS

| Solutions | • 4-8 |
|-----------|-------|
| | |

Product Introduction 8-32

PRODUCT NAMING RULES

XXX-AC - G - 000-A - XXX





Shenzhen Shapu Charging Station



Shenzhen Xinqiao Charging Station



Guangxi Shenglichang Station Charging Station



Hainan Xinglong Charging Station

SOLUTIONS



The Solution for Charging Network Operators



The Solution of Special Charging for New Energy Vehicles



The Charging Solution for Car Rental



Solution for Local Government Charging Project



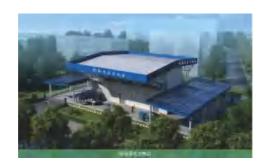
The Charging Solution for Parking Lots of Commercial Buildings



The Charging Solution for Emergency Rescue



The Charging Solution for Expressway Service Station



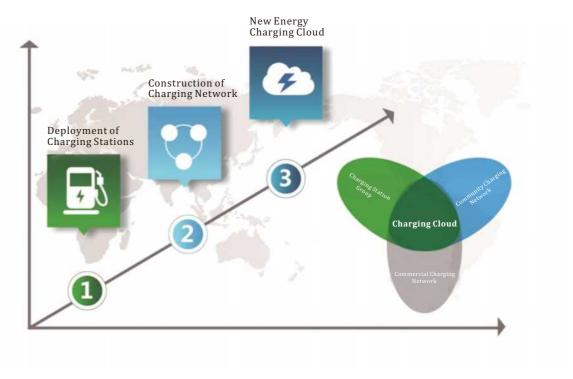
The Solution for Optical Storage and Charging

The Solution for Charging Network Operators

| Applicable objects: | This scheme is ap and product oper |
|---------------------|--|
| Features: | Seamless connect it realizes the con service, etc. as we simple operation |
| Applicable Scenes: | Urban areas and s |



Applicable Scenes:



pplicable to charging pile network operators rators.

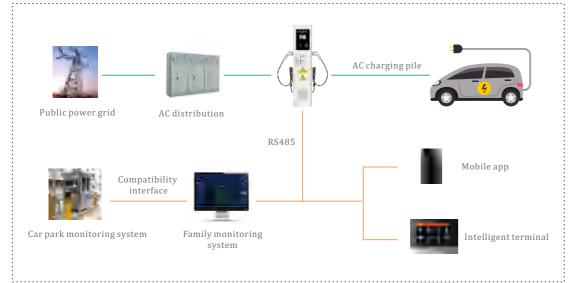
cted with Wechat and mobile APP,

nvenience for charging, guidance, yell as the characteristics of instant charging, n, easy tracking and convenient use.

surroundings, intercity expressway.

The Solution of Special Charging for New Energy Vehicles

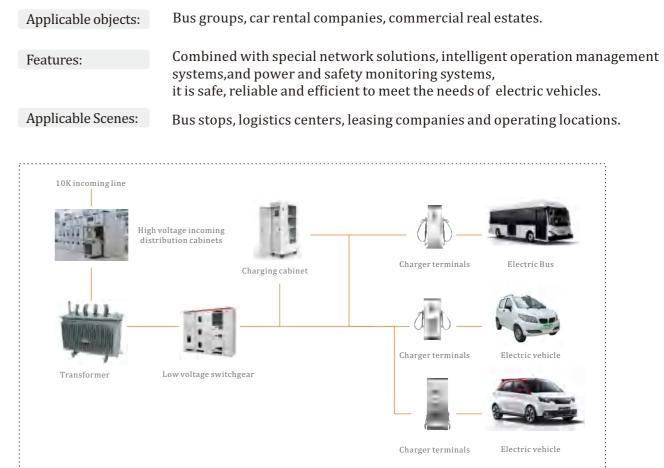
| Applicable objects: | The manufacturers of new energy vehicles. |
|---------------------|--|
| Features: | Starting from the details and considering for customers, it makes charging safer, more economical and more convenient. |
| Applicable Scenes: | Residential Quarters and Users of New Energy Vehicles. |



Intelligent terminal



The Charging Solution for Car Rental



Intelligent terminal



AC Chargring Pile 3.5KW/7KW/11KW/22KW





size:L258*W165*H378(mm)

size:L324*W199*H1461(mm)

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.

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.

| S. NO. | Parameters | |
|--------|--|-----------------------------------|
| | | Ger |
| 1 | EV Charger Type | AC |
| 2 | Charger Capacity | 3.5KW |
| 3 | Product Model NO. | ENC-ACB/L003P5 ANSI-ACB/L003P5 |
| 4 | Mounting | Wall-Mounted/Colu |
| | | In |
| 5 | AC Supply System | Single-Phase, 3 W |
| 6 | Nominal Input Voltage | AC220V±15%(EN AC240V±15%(AN |
| 7 | InputFrequency | 50±3Hz |
| | | Enviror |
| 8 | Ambient Temperature Range | -25 to 55°C |
| 9 | Ambient Humidity | 5 to 95% |
| 10 | Storage Temperature | -40 to 70°C |
| | | Mech |
| 11 | IP Ratings | IP 55 |
| 12 | Cooling | Natural Cooling |
| | | Ou |
| 13 | Number of Outputs | 1 |
| 14 | Type of Each Output | AC220V±15%(EN AC240V±15%(AN |
| 15 | Single Output Max. Current | 16 Amp |
| | | User Interfa |
| 16 | Display & Touch-Screen Size | 4.3 InchesTouch S |
| 17 | User Authentication | Mobile Application |
| 18 | Metering Information | Consumption Units |
| | | Commu |
| 19 | Communication between EVSE and Central Server | OCPP 1.6J Protoc |
| 20 | Interface between Charger and CMS | Ethernet/3G/4G/W |
| | | Protection |
| 21 | Executive Standard | IEC 62196 2017, I |
| 22 | Safety Parameters | Over Current, Und |

| | De muim | | |
|--------|-------------------------|--------------------------|------------------|
| | Require | ements | |
| eral | Requirements | | |
| | | | |
| | 7KW | 11KW | 22KW |
| A-S | ENC-ACB/L007A-S | ENC-ACB/L011A-S | ENC-ACB/L022A-S |
| iA-S | ANSI-ACB/L007A-S | ANSI-ACB/L011A-S | |
| ımn 1 | Гуре | | |
| out R | equirements | | |
| ire A | C system | Single-Phase, 3 Wire | AC system(ANSI) |
| | | Three-Phase, 5 Wire | AC system(ENC) |
| C) | | AC380V±15%(ENC) | AC380V±15% |
| SI) | | AC240V±15%(ANSI) | |
| | | | |
| men | tal Requirements | | |
| | | | |
| | | | |
| | | | |
| anica | al Requirements | | |
| | | | |
| | | | |
| tput F | Requirements | | |
| | · | | |
| C) | | AC380V±15%(ENC) | |
| 5I) | | AC240V±15%(ANSI) | AC380V±15% |
| | 32 Amp | 16 Amp/50 Amp | 32 Amp |
| ce & | Display Requirements | | |
| | | | |
| cree | n | | |
| or Us | ser Interface / QR Code | e/RFID Card /Password | Login |
| ; | | | |
| nicat | ion Requirements | | |
| ol (O | ptional) | | |
| IFI (C | Optional) | | |
| n & S | afety Requirements | | |
| EC 6 | 1851 2017, SAE J1772 | , etc. | |
| | | t, Surge Protection, Lea | kage Protection, |
| Tem | perature, etc. | | |

AC Chargring Pile 3.5KW/7KW/11KW/22KW





size:L293*W140*H418(mm) size:L359*W140*H510(mm)

size:L324*W136*H1430(mm) size:L324*W136*H1430(mm)

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.

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.

| harger Type ger Capacity uct Model NO. tting upply System nal Input Voltage | ANSI-ACB/L003P5/ Wall-Mounted/Colu |
|--|--|
| ger Capacity uct Model NO. Iting upply System | |
| uct Model NO. | ENC-ACB/L003P5A ANSI-ACB/L003P5A Wall-Mounted/Colu |
| iting upply System | ANSI-ACB/L003P5/ Wall-Mounted/Colu |
| iting upply System | Wall-Mounted/Colu |
| upply System | |
| | lı |
| | |
| nal Input Voltage | Single-Phase, 3 Wir |
| | AC220V±15%(ENC) AC240V±15%(ANS) |
| Frequency | 50±3Hz |
| | Enviro |
| ent Temperature e | -25 to 55°C |
| ent Humidity | 5 to 95% |
| ge Temperature | -40 to 70°C |
| | Mec |
| ıtings | IP 55 |
| ng | Natural Cooling |
| | 0 |
| per of Outputs | 1 |
| of Each Output | AC220V±15%(ENC) AC240V±15%(ANS) |
| e Output Max. | |
| ent | 16 Amp |
| | User Interf |
| ay & h-Screen Size | 4.3 Inches Touch So |
| Authentication | Mobile Application c |
| ring Information | Consumption Units |
| | Comm |
| munication | |
| een EVSE and | OCPP 1.6J Protoco |
| al server | |
| and hotwar | Ethernet/3G/4G/WIF |
| ace between ger and CMS | Protectio |
| | IEC 62196 2017, IE |
| ger and CMS | , |
| 1 | ger and CMS utive Standard |

| | Requir | rements | |
|----------|--------------------------|----------------------------|-----------------------|
| ene | ral Requirements | | |
| | | | |
| | 7KW | 11KW | 22KW |
| | ENC-ACB/L007A | ENC-ACB/L011A | |
| 1 | ANSI-ACB/L007A | ANSI-ACB/L011A | ENC-ACB/L022A |
| ımr | п Туре | | |
| որւ | t Requirements | | |
| <u>م</u> | \C system | Single-Phase, 3 Wire A | C system(ANSI) |
| 67 | lo system | Three-Phase, 5 Wire A | C system(ENC) |
|) | | AC380V±15%(ENC) | AC380V±15% |
|) | | AC240V±15%(ANSI) | |
| | | | |
| onn | nental Requirements | | |
| | | | |
| | | | |
| | | | |
| hai | nical Requirements | | |
| | | | |
| | | | |
| utp | ut Requirements | | |
| | | | |
|) | | AC380V±15%(ENC) | A 00000 /: 4 50/ |
|) | | AC240V±15%(ANSI) | AC380V±15% |
| | 32 Amp | 16 Amp/50 Amp | 32 Amp |
| ace | & Display Requiremen | ts | |
| cre | en | | |
| r U | ser Interface / QR Code | e/RFID Card /Password L | ogin |
| | | | |
| un | ication Requirements | | |
| | | | |
| (C | ptional) | | |
| =I (| Optional) | | |
| on a | & Safety Requirements | | |
| C 6 | 1851 2017, SAE J1772 | , etc. | |
| r V | oltage, Residual Current | t, Surge Protection, Leaka | age Protection, Short |
| rat | ure, etc. | | |

AC Chargring Pile 7KW/11KW/22KW





size:L340*W201*H1500(mm)

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.

Applicable Scenes:

| S. NO. | Parameters | |
|--------|---|------------------------|
| | | G |
| 1 | EV Charger Type | AC |
| 2 | Charger Capacity | 7KW |
| 3 | Product Model NO. | ENC-ACL |
| 4 | Mounting | Ground-Me |
| | | I |
| 5 | AC Supply System | Single-Pha system |
| 6 | Nominal Input Voltage | AC220V±1 AC240V±1 |
| 7 | Input Frequency | 50±3Hz |
| | | Envir |
| 8 | Ambient Temperature Range | -25 to 55°0 |
| 9 | Ambient Humidity | 5 to 95% |
| 10 | Storage Temperature | -40 to 70°0 |
| | | Med |
| 11 | IP Ratings | IP 54 |
| 12 | Cooling | Natural Co |
| | | C |
| 13 | Number of Outputs | 1 |
| 14 | Type of Each Output | AC220V±1 AC240V±1 |
| 15 | Single Output Max. Current | 32 Amp |
| | | User Inter |
| 16 | Display & Touch-Screen Size | 4.3 Inches |
| 17 | User Authentication | Mobile App |
| 18 | Metering Information | Consumpt |
| | | Comn |
| 19 | Communication between EVSE and Central server | OCPP 1.6 |
| 20 | Interface between Charger and CMS | Ethernet/3 |
| | | Protecti |
| 21 | Executive Standard | IEC 62196 |
| 22 | Safety Parameters | Over Cur Protection |

| | Requirements | |
|-----------------------|--|-------------------------------------|
| eneral Requiren | nents | |
| | | |
| | 11KW | 22KW |
| 007A | ENC-ACL011A | ENC-ACL022A/B |
| 007A | ANSI-ACL011A | ANSI-ACL022B |
| ounted | | |
| Input Requireme | ents | |
| ase, 3 Wire AC | Single-Phase, 3 Wire AC sy | |
| | Three-Phase, 5 Wire AC sy | |
| 15%(ENC) 15%(ANSI) | AC380V±15%(ENC) AC240V±15%(ANSI) | AC380V±15%(ENC) AC240V±15%(ANSI) |
| 0 /0(/(101) | A02401110/0(1000) | A0240V11070(11101) |
| onmental Requi | iromonte | |
| | Inema | |
| C | | |
| | | |
| C | | |
| chanical Require | ements | |
| | | |
| ooling | Air-cooled | |
| output Requirem | ients | |
| | | 1 or 2(ENC); 2(ANSI) |
| 15%(ENC) | AC380V±15%(ENC) | AC380V±15%(ENC) |
| 15%(ANSI) | AC240V±15%(ANSI) | AC240V±15%(ANSI) |
| | 16 Amp/50 Amp | 32 Amp/16 Amp(ENC) |
| Diaplay [| | 50 Amp(ANSI) |
| face & Display F | Requirements | |
| Touch Screen | | |
| plication or User | r Interface / QR Code/RFID Ca | ard /Password Login |
| ion Units | | |
| nunication Requ | uirements | |
| J Protocol (Optio | onal) | |
| G/4G/WIFI (Opt | tional) | |
| ion & Safety Red | quirements | |
| 2017, IEC 618 | 51 2017, SAE J1772, etc. | |
| | /oltage, Residual Current, Over Temperature, etc. | Surge Protection, Leakage |



DC Chargring Pile **20KW/30KW**



Features:

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

Applicable Scenes:

| S. NO. | Parameters | |
|--------|--|--|
| | | Ge |
| 1 | EV Charger Type | DC |
| 2 | Charger Capacity | 20KW |
| 3 | Product Model NO. | ENC-DCB02 ANSI-DCB02 JIS-DCB020/ |
| 4 | Mounting | Wall-Mounted |
| | | Ir |
| 5 | AC Supply System | Three-Phase |
| 6 | Nominal Input Voltage | AC380V±15% |
| 7 | Input Frequency | 45-65Hz |
| | | Enviro |
| 8 | Ambient Temperature Range | -25 to 55°C |
| 9 | Ambient Humidity | 5 to 95% |
| 10 | Storage Temperature | -40 to 70°C |
| | | Mec |
| 11 | IP Ratings | IP 54 |
| 12 | Cooling | Air-cooled |
| | | O |
| 13 | Number of Outputs | 1 |
| 14 | Type of Each Output | DC200-750V DC150-500V |
| 15 | Single Output Max. Current | 80 Amp |
| 16 | Power Factor | ≥0.99(50% lo |
| | | User Interfa |
| 17 | Display & Touch-Screen Size | 7 Inches Tou |
| 18 | User Authentication | Mobile Applic |
| 19 | Metering Information | Consumption |
| | | Comm |
| 20 | Communication between EVSE and Central server | OCPP 1.6J F |
| 21 | Interface between Charger and CMS | Ethernet/3G/ |
| | | Protectio |
| 22 | Executive Standard | IEC 62196 20 |
| 23 | Safety Parameters | Over Current Short Circuit, |

| Req | uirements |
|---|--|
| neral Requirements | |
| | |
| | 30KW |
| DA | ENC-DCB030A |
| 0A | ANSI-DCB030A |
| A | JIS-DCB030A |
| d | |
| nput Requirements | |
| , 5 Wire AC system | |
| 6 | |
| | |
| onmental Requirements | |
| | |
| | |
| | |
| hanical Requirements | |
| | |
| | |
| utput Requirements | |
| | |
| | |
| (JIS) | |
| | 125 Amp |
| ad above) | |
| ace & Display Requirements | 5 |
| ch Screen with Shell | |
| ation or User Interface / QF | R Code/RFID Card /Password Login |
| Units | |
| unication Requirements | |
| Protocol (Optional) | |
| 4G/WIFI (Optional) | |
| on & Safety Requirements | |
| 017, IEC 61851 2017, SAE | J1772,CHAdeMO etc. |
| , Under Voltage, Residual C Over Temperature, etc. | Current, Surge Protection, Leakage Protection, |



DC Chargring Pile **30KW/40KW**







size:L700*W450*H1680(mm)

Features:

- Simple operation, convenient installation;
- High efficiency, reliable and stable performance;
- Friendly interaction interface, 4.3 inch color touch screen;
- Support multiple modes of charging, operation management and payment;
- Support 3G/4G, Ethernet or wireless telecommunication;
- Support RFID Card/OCPP 1.6J (optional);
- Support CCS-2/CCS-1/CHAdeMO connector(or Socket)optional;
- Overload integrated Protection;
- Support online data upgrade.

Applicable Scenes:

| | Parameters | S. NO. |
|------------------|--|--------|
| Ge | | |
| DC | EV Charger Type | 1 |
| 30KW | Charger Capacity | 2 |
| ENC-DCL030A | | |
| ANSI-DCL030 | Product Model NO. | 3 |
| JIS-DCL030A | Mounting | 4 |
| Ground-Mount | Mounting | 4 |
| li Ti Di li | | _ |
| Three-Phase, | AC Supply System | 5 |
| AC380V±15% | Nominal Input Voltage | 6 |
| 45-65Hz | Input Frequency | 7 |
| Enviro | | |
| -25 to 55°C | Ambient Temperature Range | 8 |
| 5 to 95% | Ambient Humidity | 9 |
| -40 to 70°C | Storage Temperature | 10 |
| Mec | | |
| IP 54 | IP Ratings | 11 |
| Air-cooled | Cooling | 12 |
| 0 | | |
| 1 | Number of Outputs | 13 |
| DC200-750V | Type of Each Output | 14 |
| DC150-500V(J | | |
| 125 Amp | Single Output Max. Current | 15 |
| ≥0.99(50% loa | Power Factor | 16 |
| User Interf | | |
| 7 Inches Touch | Display & Touch-Screen Size | 17 |
| Mobile Applica | User Authentication | 18 |
| Consumption L | Metering Information | 19 |
| Comm | | |
| OCPP 1.6J Pro | Communication between EVSE and Central server | 20 |
| Ethernet/3G/40 | Interface between Charger and CMS | 21 |
| Protectio | | |
| IEC 62196 201 | Executive Standard | 22 |
| Over Current, | Cofety Deremation | 22 |
| Short Circuit, C | Safety Parameters | 23 |

| Requirements | | |
|--|---------------------------------|--|
| neral Requirements | | |
| | | |
| | 40KW | |
| \ | ENC-DCL040A/B | |
| Ą | ANSI-DCL040A/B JIS-DCL040A/B | |
| ed | 313-D02040A/D | |
| put Requirements | | |
| Wire AC system | | |
| | | |
| | | |
| nmental Requirements | | |
| | | |
| | | |
| | | |
| nanical Requirements | | |
| | | |
| | | |
| utput Requirements | | |
| | 1 or 2 | |
| | | |
| IS) | | |
| | 150 Amp | |
| d above) | | |
| ace & Display Requiremen | ts | |
| Screen with Shell | | |
| ion or User Interface / QR Code/RFID Card /Password Login | | |
| Inits | | |
| unication Requirements | | |
| tocol (Optional) | | |
| S/WIFI (Optional) | | |
| n & Safety Requirements | | |
| 7, IEC 61851 2017, SAE J1772,CHAdeMO etc. | | |
| Inder Voltage, Residual Current, Surge Protection, Leakage Protection, ver Temperature, etc. | | |

DC Chargring Pile 50KW/60KW/80KW







size:L700*W450*H1680(mm)

Features:

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

Applicable Scenes:

| Sr. NO. | Parameters | Requirements | |
|-------------------------|---|--|-------------------------|
| | | General Requirements | |
| 1 | EV charger Type | DC | |
| 2 | Charger Capacity | 50KW/60KW | 80KW |
| | | ENC-DCL050A(B) | ENC-DCL080A(B) |
| 3 | Model No. | SAE-DCL050A(B) | SAE-DCL080A(B) |
| 4 | Mounting | JAN-DCL050A(B) Ground mounted | JAN-DCL080A(B) |
| · | hiodriang | Input Requirements | |
| 5 | AC Supply System | Three-Phase, 5 Wire AC system | |
| 6 | Nominal Input voltage | 380V ± 15% | |
| 7 | Input frequency | 50Hz, ±1.5Hz / 60Hz, ±1.5Hz | |
| | | vironmental Requirements | |
| 8 | Ambient Temperature | -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 | Forced air cooled | |
| | | Output Requirements | |
| 13 | Number of outputs | 1 OR 2 | |
| 14 | Type of each output | 200-750VDC (+20% and -20%) | |
| 15 | Output Current | Max. 150Amp | Max. 200Amp |
| 16 | Power Factor | ≥0.99(50% load above) | |
| | User In | terface & Display Requirements | |
| 17 | Display & touch-screen size | 7 inches | |
| 18 | User Authentication | Mobile application or User interface / QR Code/RFID Card /Password Login | |
| 19 | Metering Information | Consumption Units | |
| | Co | mmunication Requirements | |
| 20 | Communication between EVSE and Central Server | OCPP 1.6J protocol (optional) | |
| 21 | Charger and CMS | Ethernet and GPRS Modem | |
| | Prote | ection & Safety Requirements | |
| 22 | Safety Parameters | Over current, under voltage, Residual current, Surge protection, leakage protection, Short circuit, Over temperature, etc. | |
| 23 | Power failure | If there is a power failure, user is | s indicated about this. |

DC Chargring Pile 90KW/100KW/120KW







size:L700*W450*H1680(mm)

Features:

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

Applicable Scenes:

| S. NO. | Parameters | |
|-----------|--|--|
| Ge | | |
| 1 | EV Charger Type | DC |
| 2 | Charger Capacity | 90KW/100KW |
| 3 | Product Model NO. | ENC-DCL100B ANSI-DCL100B JIS-DCL100B |
| 4 | Mounting | Ground-Mounted |
| | | Ir |
| 5 | AC Supply System | Three-Phase, 5 W |
| 6 | Nominal Input Voltage | AC380V±15% |
| 7 | Input Frequency | 45-65Hz |
| | | Enviro |
| 8 | Ambient Temperature Range | -25 to 55°C |
| 9 | Ambient Humidity | 5 to 95% |
| 10 | Storage Temperature | -40 to 70°C |
| | | Mec |
| 11 | IP Ratings | IP 54 |
| 12 | Cooling | Air-cooled |
| | | O |
| 13 | Number of Outputs | 2 |
| 14 | Type of Each Output | DC200-750V DC1 |
| 15 | Single Output Max. Current | 200 Amp |
| 16 | Power Factor | ≥0.99(50% load al |
| | | User Interfa |
| 17 | Display & Touch-Screen Size | 7 Inches Touch So |
| 18 | User Authentication | Mobile Application |
| 19 | Metering Information | Consumption Unit |
| | | Comm |
| 21 | Communication between EVSE and Central server | OCPP 1.6J Protoc |
| 21 | Interface between Charger and CMS | Ethernet/3G/4G/W |
| Protectio | | |
| 22 | Executive Standard | IEC 62196 2017, I |
| 23 | Safety Parameters | Over Current, Und Circuit, Over Temp |

| Requirements | | |
|---------------------------------------|---|--|
| eneral Requirements | | |
| | | |
| | 120KW | |
| | ENC-DCL120B | |
| | ANSI-DCL120B | |
| | JIS-DCL120B | |
| | | |
| nput Requirements | | |
| /ire AC system | | |
| | | |
| | | |
| onmental Requirements | | |
| | | |
| | | |
| | | |
| | | |
| hanical Requirements | | |
| | | |
| | | |
| utput Requirements | | |
| | | |
| 50-500V(JIS) | | |
| | | |
| bove) | | |
| ace & Display Requirements | 3 | |
| creen with Shell | | |
| or User Interface / QR Cod | le/RFID Card /Password Login | |
| S | | |
| unication Requirements | | |
| xol (Optional) | | |
| /IFI (Optional) | | |
| on & Safety Requirements | | |
| EC 61851 2017, SAE J1772,CHAdeMO etc. | | |
| ler Voltage, Residual Currer | nt, Surge Protection, Leakage Protection, Short | |
| perature, etc. | | |

DC Chargring Pile 160KW/180KW/240KW



size: L750*W750*H1920(mm)

Features:

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

Applicable Scenes:

| 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 Require | ments | |
| 5 | AC Supply System | Three-Phase, 5 Wire AC | system | |
| 6 | Nominal Input Voltage | AC380V±15% | | |
| 7 | Input Frequency | 45-65Hz | | |
| | | Environmental Re | quirements | |
| 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 Requir | ements | |
| 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 & Displa | y Requirements | |
| 17 | Display & Touch-Screen Size | 7 Inches Touch Screen w | ith Shell | |
| 18 | User Authentication | Mobile Application or Use | er Interface / QR Code/RFID Ca | rd /Password Login |
| 19 | Metering Information | Consumption Units | | |
| | | Communication Re | equirements | |
| 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 I | Requirements | |
| 22 | Executive Standard | IEC 62196 2017, IEC 618 | 351 2017, SAE J1772,CHAdeM | O etc. |
| 23 | Safety Parameters | Over Current, Under Voltage, Residual Current, Surge Protection, Leakage Protection Short Circuit, Over Temperature, etc. | | |

DC Chargring Pile 300KW/360KW/480KW



size:L750*W750*H1920(mm)

Features:

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

Applicable Scenes:

| S. NO. | Parameters | Requirements | | |
|----------------------------|--|---|----------------|--------------|
| General Requirements | | | | |
| 1 EV Charger Type DC | | | | |
| 2 | Charger Capacity | 300KW | 360KW | 480KW |
| | | ENC-DCL300B | ENC-DCL360B | ENC-DCL480B |
| 3 | Product Model NO. | ANSI-DCL300B | ANSI-DCL360B | ANSI-DCL480B |
| | | JIS-DCL300B | JIS-DCL360B | JIS-DCL480B |
| 4 | Mounting | | Ground-Mounted | |
| | | Input Requirer | nents | |
| 5 | AC Supply System | Three-Phase, 5 Wire AC sy | stem | |
| 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 Requ | irements | |
| 11 | IP Ratings | IP 54 | | |
| 12 | Cooling | Air-cooled | | |
| | | Output Require | ements | |
| 13 | Number of Outputs | 2 | | |
| 14 | Type of Each Output | DC200-750V | | |
| 14 | | 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 Re | quirements | |
| 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 R | 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. | | |

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



size:L700*W450*H1680(mm)



size:L790*W700*H1720(mm)

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.

Applicable Scenes:

| S. NO. | Parameters | |
|--------|--------------------------------|--|
| | | Ge |
| 1 | EV Charger Type | 2DC + 1AC |
| 2 | Charger Capacity | 2*30KW DC + 22KW |
| 3 | Product Model NO. | ENC-ADCL082C/EN |
| 4 | Mounting | |
| | • | L |
| 5 | AC Supply System | Three-Phase, 5 Wire |
| | Nominal Input | 1 0 0 0 0 1 4 5 0 4 |
| 6 | Voltage | AC380V±15% |
| 7 | Input Frequency | 45-65Hz |
| | - | Enviro |
| 8 | Ambient | -25 to 55°C |
| 0 | Temperature Range | -23 10 33 C |
| 9 | Ambient Humidity | 5 to 95% |
| 10 | Storage Temperature | -40 to 70°C |
| | | Mec |
| 11 | IP Ratings | IP 54 |
| 12 | Cooling | Air-cooled |
| | • | 0 |
| 13 | Number of Outputs | 3 |
| | | CCS-2/CCS-1: Max. |
| | | 150Amp. |
| 14 | Type of Each Output | CHAdeMO: Max. 30 |
| | | 150Amp. |
| 15 | Power Factor | Type-2/ Type-1, 380 ≥0.99(50% load abov |
| 15 | Fower Factor | |
| | Diaplay 8 | User Interf |
| 16 | Display & Touch-Screen Size | 7 Inches Touch Scre |
| 17 | User Authentication | Mobile Application or |
| 18 | Metering Information | Consumption Units |
| | J J | Comm |
| | Communication | |
| 19 | between EVSE and | OCPP 1.6J Protocol |
| | Central server | |
| 20 | Interface between | Ethernet/3G/4G/WIF |
| | Charger and CMS | |
| | | Protectio |
| 21 | Executive Standard | IEC 62196 2017, IEC |
| 22 | Safety Parameters | Over Current, Under |
| | | Circuit, Over Temper |

| Requirements | | |
|--|--|--|
| eneral Requirements | | |
| | 1 | |
| //43KW AC | 2*50KW DC + 22KW /43KW AC | |
| C-ADCL103C | ENC-ADCL122C/ENC-ADCL143C | |
| Ground- | Mounted | |
| nput Requirements | | |
| AC system | | |
| | | |
| | | |
| onmental Requirements | | |
| | | |
| | | |
| | | |
| hanical Requirements | | |
| | | |
| | 1 | |
| utput Requirements | | |
| | | |
| 30KW, 150-750VDC, | CCS-2/CCS-1: Max. 50KW, 150-750VDC, | |
| <w, 150-750vdc,<="" td=""><td>200Amp.</td></w,> | 200Amp. | |
| (W, 150-750VDC, | CHAdeMO: Max. 50KW, 150-750VDC, 200Amp. | |
| ~400Vac, 32Amp/63Amp | Type-2/ Type-1, 380~400Vac, 32Amp/63Amp | |
| ve) | | |
| ace & Display Requiremen | ts | |
| en with Shell | | |
| User Interface / QR Code/RFID Card /Password Login | | |
| | | |
| unication Requirements | | |
| (Optional) | | |
| l (Optional) | | |
| on & Safety Requirements | | |
| 61851 2017 etc. | | |
| Voltage, Residual Current, Surge Protection, Leakage Protection, Short ature, etc. | | |

DC 240KW Sequential Charging Station







size:L430*W201*H1600(mm)

size:L1150*W950*H1928(mm)

size: L430*W201*H1600(mm)

Features:

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

Applicable Scenes:

| 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 | | |
| | U | ser 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. | | |

DC 360KW/480KW Sequential Charging Station







size:L430*W201*H1600(mm)

size:L1150*W950*H1928(mm)

size:L430*W201*H1600(mm)

Features:

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

Applicable Scenes:

| S. NO. | Parameters | Requirements | | |
|--------|--|--|--|--|
| | General Requirements | | | |
| 1 | EV Charger Type DC | | | |
| 2 | Charger Capacity | 360KW | 480KW | |
| | | ENC-DCF360F | ENC-DCF480H | |
| 3 | Product Model NO. | ANSI-DCF360F | ANSI-DCF480H | |
| | | JIS-DCF360F | JIS-DCF480H | |
| 4 | Mounting | Ground-Mounted(Seq | uential) | |
| | | Input Requirem | ents | |
| 5 | AC Supply System | Three-Phase, 5 Wire | AC system | |
| 6 | Nominal Input Voltage | AC380V±15% | | |
| 7 | Input Frequency | 45-65Hz | | |
| | | Environmental Requ | irements | |
| 8 | Ambient Temperature Range | -25 to 55°C | | |
| 9 | Ambient Humidity | 5 to 95% | | |
| 10 | Storage Temperature | -40 to 70°C | | |
| | | Electrical indica | tors | |
| 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 | 2) | |
| | | Mechanical Requir | ements | |
| 15 | IP Ratings | IP 54 | | |
| 16 | | | | |
| | | Output Requiren | nents | |
| 17 | Connector Terminal | 3 | 4 | |
| 18 | Number of Outputs | 6 | 8 | |
| 19 | Type of Each Output | DC200-750V | | |
| 10 | | DC150-500V(JIS) | | |
| 20 | Single Output Max. Current | 200 Amp | | |
| | l | Jser Interface & Display | Requirements | |
| 21 | Display & Touch-Screen Size | 7 Inches Touch Screen with Shell | | |
| 22 | User Authentication | Mobile Application or | Jser 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 Re | quirements | |
| 21 | Executive Standard | IEC 62196 2017, IEC 61851 2017, SAE J1772,CHAdeMO etc. | | |
| 22 | Safaty Parameters | Over Current, Under | /oltage, Residual Current, Surge Protection, Leakage | |
| 22 | Safety Parameters | Protection, Short Circuit, Over Temperature, etc. | | |