

Global Leader in Innovative  
Energy Solutions



# ZD ENERGY

## AC Product Catalog 2026

### CONTACT US

 CN: SHANGHAI ZHIDA TECHNOLOGY DEVELOPMENT CO., LTD.

 11F Building 2, KIC Technology Center, NO.477 Zhengli Road, Yangpu District, Shanghai, China, 200433

 HK: ZD ENERGY (HONG KONG) LIMITED

 Office No.4511, 45th Floor, The Center, 99 Queen's Road Central, Hong Kong

 QA: ZD ENERGY TECHNOLOGIES

 Zone 51, Street 2320, Building 125, Unit 387, Al Rayyan, Qatar

 TH: ZD TRADING (THAILAND) CO., LTD.

 184/119, F/21-C4, Ratchadapisek Road, Kwaeng Huaykwang, Khet Huaykwang, Bangkok, Thailand

 SG: ZD ENERGY PTE. LTD.

 82 Ubi Avenue 4#05-01 Edward Boustead Centre Singapore, 408832

 DE: ZD ENERGY (DEUTSCHLAND) GMBH

 Mevissenstr. 16, 50668 Köln, Germany

 Business Email: [info@zdenergy.com](mailto:info@zdenergy.com)  
Service Email: [service@zdenergy.com](mailto:service@zdenergy.com)

 [www.zdenergy.com](http://www.zdenergy.com)



## About Us

Founded in 2010 and headquartered in Shanghai, ZHIDA TECH (ZD Energy) has grown to become the world's leading manufacturer of smart charging systems. As of September 2025, ZHIDA TECH (ZD Energy) has shipped over 2 million chargers to numerous regions across the globe, including Southeast Asia, Latin America, North America, the Middle East, and Europe.

ZHIDA TECH (ZD Energy) holds the highest market share in EV home charging globally and is partnered with 80% of global automotive OEMs - totalling over 70 car brands. ZHIDA TECH (ZD Energy) is committed to empowering the world's transition to electric mobility and green energy by specialising in intelligent charging & home energy solutions, which enable seamless communications between vehicle, home, grid, and charger.

The company is now strengthening its global presence by delivering products and services worldwide and establishing operational sites across Shanghai, Singapore, Hong Kong, Thailand, Qatar, Saudi Arabia, Germany, and Indonesia.



# Our AC Products



Guardian



Guardian Pro



Explorer



Explorer 2 Flex



Explorer 2 Pro



Explorer 2



Traveller



Traveller Lite



King Kong



Mini Z

## Guardian 7kW

### Features

- > Type 2, GB/T EV Charger
- > Single Phase with 7kW AC Charging
- > IP55 Rated for Indoor/Outdoor Applications
- > Optional Wireless Connection with RFID/BT/Wifi/4G Functions
- > Optional Wall-Mounted Installation or Pedestal Installation for Different Installation Demands
- > Compact Design for Easy Carry and Installation
- > Multiple Protections for Safe Use

### PROTECTIONS

- > Undervoltage/Overvoltage Protection
- > Overcurrent Protection
- > Overheat Protection
- > Short-Circuit Protection
- > Leakage Protection
- > Lightning Protection
- > Emergency Stop Protection

### CERTIFICATIONS



### SPECIFICATIONS

|                                      |                        |
|--------------------------------------|------------------------|
| Rated Input AC Voltage:              | AC165~265V             |
| Operating Frequency:                 | 47~63Hz                |
| Rated AC Operating Current:          | 32A 7kW                |
| IP Rating:                           | IP55                   |
| Operating Altitude:                  | ≤3000m                 |
| Operating Humidity:                  | 5%~95%, Non-Condensing |
| Operating Temperature:               | -40°C to +55°C         |
| Storage Temperature:                 | -40°C to +85°C         |
| Connector Mechanical Operating Life: | ≥10000 uses            |
| Product Size:                        | 310mm*214mm*90mm       |





# Guardian Pro 7kW

## Features

- > Type 2, GB/T EV Charger
- > Single Phase with 7kW AC Charging
- > IP55 Rated for Indoor/Outdoor Applications
- > Optional Wireless Connection with RFID/BT/Wifi/4G Functions
- > Optional Wall-Mounted Installation or Pedestal Installation for Different Installation Demands
- > Compact Design for Easy Carry and Installation
- > Multiple Protections for Safe Use

## PROTECTIONS

- > Undervoltage/Overvoltage Protection
- > Overcurrent Protection
- > Overheat Protection
- > Short-Circuit Protection
- > Leakage Protection
- > Lightning Protection
- > Emergency Stop Protection

## CERTIFICATIONS



## SPECIFICATIONS

|                                      |                        |
|--------------------------------------|------------------------|
| Rated Input AC Voltage:              | AC165~265V             |
| Operating Frequency:                 | 47~63Hz                |
| Rated AC Operating Current:          | 32A 7kW                |
| Ip Rating:                           | IP55                   |
| Operating Altitude:                  | ≤3000m                 |
| Operating Humidity:                  | 5%~95%, Non-Condensing |
| Operating Temperature:               | -40°C to +55°C         |
| Storage Temperature:                 | -40°C to +85°C         |
| Connector Mechanical Operating Life: | ≥10000 uses            |
| Product Size:                        | 310mm*214mm*90mm       |





# KingKong 7kW

## Features

- > Type 1, Type 2, GB/T EV Charger
- > Single Phase with 7kW AC Charging
- > IP66 Rated for Indoor/Outdoor Applications
- > Optional Wireless Connection with RFID/BT/Wifi/4G Functions
- > Optional Wall-Mounted Installation or Pedestal Installation for Different Installation Demands
- > Compact Design for Easy Carry and Installation
- > Multiple Protections for Safe Use

## PROTECTIONS

- > Undervoltage/Overvoltage Protection
- > Overcurrent Protection
- > Overheat Protection
- > Short-Circuit Protection
- > Leakage Protection
- > Lightning Protection
- > Emergency Stop Protection

## CERTIFICATIONS



## SPECIFICATIONS

|                                      |                        |
|--------------------------------------|------------------------|
| Rated Input AC Voltage:              | AC165~265V             |
| Operating Frequency:                 | 47~63Hz                |
| Rated AC Operating Current:          | 32A 7kW                |
| IP Rating:                           | IP66                   |
| Operating Altitude:                  | ≤4000m                 |
| Operating Humidity:                  | 5%~95%, Non-Condensing |
| Operating Temperature:               | -40°C to +60°C         |
| Storage Temperature:                 | -40°C to +85°C         |
| Connector Mechanical Operating Life: | ≥10000 uses            |
| Product Size:                        | 420mm*251mm*145mm      |



## Explorer 11/22kW

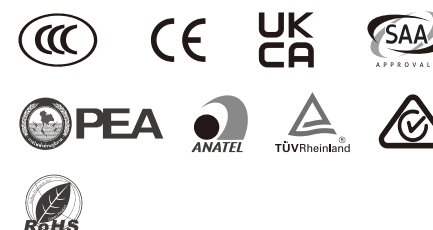
### Features

- > Type 2, GB/T EV Charger
- > Three Phases with Optional 11kW or 22kW AC Charging
- > IP66 Rated for Indoor/Outdoor Applications
- > Optional Wireless Connection with RFID/BT/Wifi/4G Functions
- > Optional Wall-Mounted Installation or Pedestal Installation for Different Installation Demands
- > Multiple Protections for Safe Use

### PROTECTIONS

- > Undervoltage/Overvoltage Protection
- > Overcurrent Protection
- > Overheat Protection
- > Short-Circuit Protection
- > Leakage Protection
- > Lightning Protection
- > Emergency Stop Protection

### CERTIFICATIONS



### SPECIFICATIONS

|                                      |                        |
|--------------------------------------|------------------------|
| Rated Input AC Voltage:              | AC165~265V, AC323~437V |
| Operating Frequency:                 | 47~63Hz                |
| Rated AC Operating Current:          | 16A 11kW; 32A 22kW     |
| IP Rating:                           | IP66                   |
| Operating Altitude:                  | ≤2000m                 |
| Operating Humidity:                  | 5%~95%, Non-Condensing |
| Operating Temperature:               | -40°C to +55°C         |
| Storage Temperature:                 | -40°C to +85°C         |
| Connector Mechanical Operating Life: | ≥10000 uses            |
| Product Size:                        | 290mm*473mm*160mm      |





# Explorer 2 Flex 7/11/22kW

## Features

- > Type 2, GB/T EV Charger
- > Single/Three Phases with Optional 7kW, 11kW or 22kW AC Charging
- > IP66 Rated for Indoor/Outdoor Applications
- > Optional Wireless Connection with RFID/BT/Wifi/4G Functions
- > Optional Wall-Mounted Installation or Pedestal Installation for Different Installation Demands
- > Compact Design for Easy Carry and Installation
- > Multiple Protections for Safe Use

## PROTECTIONS

- > Undervoltage/Overvoltage Protection
- > Overcurrent Protection
- > Overheat Protection
- > Short-Circuit Protection
- > Leakage Protection
- > Lightning Protection
- > Emergency Stop Protection

## CERTIFICATIONS



## SPECIFICATIONS

|                                      |                        |
|--------------------------------------|------------------------|
| Rated Input AC Voltage:              | AC165~265V, AC323~437V |
| Operating Frequency:                 | 47~63Hz                |
| Rated AC Operating Current:          | 16A/32A                |
| IP Rating:                           | IP66                   |
| Operating Altitude:                  | ≤2000m                 |
| Operating Humidity:                  | 5%~95%, Non-Condensing |
| Operating Temperature:               | -35°C to +55°C         |
| Storage Temperature:                 | -40°C to +85°C         |
| Connector Mechanical Operating Life: | ≥10000 uses            |
| Communication Protocols:             | OCPP 1.6J              |
| Product Size:                        | 310mm*210mm*90mm       |





## Explorer 2 Pro 7/11/22kW

### Features

- > Type 2, GB/T EV Charger
- > Single/Three Phases with Optional 7kW, 11kW or 22kW AC Charging
- > IP66 Rated for Indoor/Outdoor Applications
- > Optional Wireless Connection with RFID/BT/Wifi/4G Functions
- > Optional Wall-Mounted Installation or Pedestal Installation for Different Installation Demands
- > Compact Design for Easy Carry and Installation
- > Multiple Protections for Safe Use

### PROTECTIONS

- > Undervoltage/Overvoltage Protection
- > Overcurrent Protection
- > Overheat Protection
- > Short-Circuit Protection
- > Leakage Protection
- > Lightning Protection
- > Emergency Stop Protection

### CERTIFICATIONS



### SPECIFICATIONS

|                                      |                        |
|--------------------------------------|------------------------|
| Rated Input AC Voltage:              | AC165~265V, AC323~437V |
| Operating Frequency:                 | 47~63Hz                |
| Rated AC Operating Current:          | 16A/32A                |
| IP Rating:                           | IP66                   |
| Operating Altitude:                  | ≤2000m                 |
| Operating Humidity:                  | 5%~95%, Non-Condensing |
| Operating Temperature:               | -35°C to +55°C         |
| Storage Temperature:                 | -40°C to +85°C         |
| Connector Mechanical Operating Life: | ≥10000 uses            |
| Communication Protocols:             | OCPP 1.6J              |
| Product Size:                        | 234mm*334mm*118mm      |





## Explorer 2 7/11/22kW

### Features

- > Type 2, GB/T EV Charger
- > Single/Three Phases with Optional 7kW, 11kW or 22kW AC Charging
- > IP66 Rated for Indoor/Outdoor Applications
- > Optional Wireless Connection with RFID/BT/Wifi/4G Functions
- > Optional Wall-Mounted Installation or Pedestal Installation for Different Installation Demands
- > Compact Design for Easy Carry and Installation
- > Multiple Protections for Safe Use

### PROTECTIONS

- > Undervoltage/Overvoltage Protection
- > Overcurrent Protection
- > Overheat Protection
- > Short-Circuit Protection
- > Leakage Protection
- > Lightning Protection
- > Emergency Stop Protection

### CERTIFICATIONS



### SPECIFICATIONS

|                                      |                        |
|--------------------------------------|------------------------|
| Rated Input AC Voltage:              | AC165~265V, AC323~437V |
| Operating Frequency:                 | 47~63Hz                |
| Rated AC Operating Current:          | 16A/32A                |
| IP Rating:                           | IP66                   |
| Operating Altitude:                  | ≤2000m                 |
| Operating Humidity:                  | 5%~95%, Non-Condensing |
| Operating Temperature:               | -35°C to +55°C         |
| Storage Temperature:                 | -40°C to +85°C         |
| Connector Mechanical Operating Life: | ≥10000 uses            |
| Communication Protocols:             | OCPP 1.6J              |
| Product Size:                        | 234mm*334mm*118mm      |



# Mini Z 7kW

## Features

- > Type 2, GB/T EV Charger
- > Single Phase with 7kW AC Charging
- > IP55 Rated for Indoor/Outdoor Applications
- > Optional Wireless Connection with RFID/BT/Wifi/4G Functions
- > Optional Wall-Mounted Installation or Pedestal Installation for Different Installation Demands
- > Compact Design for Easy Carry and Installation
- > Multiple Protections for Safe Use

## PROTECTIONS

- > Undervoltage/Overvoltage Protection
- > Overcurrent Protection
- > Overheat Protection
- > Short-Circuit Protection
- > Leakage Protection
- > Lightning Protection
- > Emergency Stop Protection

## CERTIFICATIONS



## SPECIFICATIONS

|                                                      |                        |
|------------------------------------------------------|------------------------|
| Rated Input AC Voltage:                              | AC165~265V             |
| Operating Frequency:                                 | 47~63Hz                |
| Rated AC Operating Current:                          | 32A 7kW                |
| IP Rating:                                           | IP55                   |
| Altitude:                                            | ≤2000m                 |
| Operating Operating Humidity:                        | 5%~95%, Non-Condensing |
| Operating Temperature:                               | -30°C to +50°C         |
| Storage Temperature:                                 | -40°C to +85°C         |
| Residual Current Protection Rated Operating Current: | AC 30mA + DC 6mA       |
| Residual Current Protection Rated Action Time:       | ≤0.1 s                 |
| Product Size:                                        | 204mm*162mm*80mm       |





## PROTECTIONS

- > Undervoltage/Overvoltage Protection
- > Overcurrent Protection
- > Overheat Protection
- > Short-Circuit Protection
- > Leakage Protection
- > Lightning Protection

## CERTIFICATIONS



## SPECIFICATIONS

|                             |                        |
|-----------------------------|------------------------|
| Rated Input AC Voltage:     | AC165~265V             |
| Operating Frequency:        | 47~63Hz                |
| Rated AC Operating Current: | 8A&10A&13A&16A         |
| IP Rating:                  | IP55                   |
| Altitude:                   | ≤2000m                 |
| Operating Humidity:         | 5%~95%, Non-Condensing |
| Operating Temperature:      | -25°C to +50°C         |
| Storage Temperature:        | -40°C to +85°C         |
| Measurement Accuracy:       | 1.0                    |
| Life Span:                  | ≥10000 uses            |
| IK Level:                   | IK08                   |
| Charging Gun Cable:         | 5m                     |
| Certification:              | CQC, CE                |
| Product Size:               | 230mm* 100mm*67mm      |



## Traveller 3.5kW

### Features

- > Type 2, GB/T Portable EV Charger
- > Single Phase with Max 3.5kW AC Charging
- > IP55 Rated for Indoor/Outdoor Applications
- > Plug & Charge
- > Installation Free
- > Compact Design for Easy Carry
- > Multiple Protections for Safe Use

## Traveller Lite 3.5kW

### Features

- > Type 2, GB/T Portable EV Charger
- > Single Phase with Max 3.5kW AC Charging
- > Max IP67 Rated for Indoor/Outdoor Applications
- > Plug & Charge
- > Installation Free
- > Compact Design for Easy Carry
- > Multiple Protections for Safe Use

### PROTECTIONS

- > Undervoltage/Overvoltage Protection
- > Overcurrent Protection
- > Overheat Protection
- > Short-Circuit Protection
- > Leakage Protection
- > Lightning Protection
- > Emergency Stop Protection

### CERTIFICATIONS

CE CB

### SPECIFICATIONS

|                                      |                        |
|--------------------------------------|------------------------|
| Rated Input AC Voltage:              | AC220V-240V            |
| Operating Frequency:                 | 50/60HZ                |
| Rated AC Operating Current:          | 8A&10A&13A&15A&16A     |
| IP Rating:                           | IP67                   |
| Altitude:                            | ≤2000m                 |
| Humidity:                            | 5%~95%, Non-Condensing |
| Operating Temperature:               | -40°C to +55°C         |
| Storage Temperature:                 | -40°C to +85°C         |
| Connector Mechanical Operating Life: | ≥10000 uses            |
| IK Level:                            | IK10                   |
| Cable Length:                        | 4.2m                   |
| Certification:                       | CE, CB                 |
| Product Size:                        | 234mm*80mm*45mm        |



Compatible with 7kW/22kW  
**ACCESSORIES - TYPE 2  
CHARGING CABLE**



**ADAPTOR**



**Features**

- > Complies with IEC 62893 Standards
- > Flame-retardant, Pressure-resistant, Wear-resistant, Impact-resistant, and Highly Oil-resistant
- > Max IP55 (Mated) Rated for Water and Dust Protection
- > Housing Color is Black and is Made of PC Material, with Locking Option for Padlock. The Gun Head is Made of PA66 + 30% GF Material
- > Ergonomic Design for Convenient Handling

**Features**

- > Complies with GB/T20234 and IEC 62196 Standards
- > Flame-retardant, Pressure-resistant, Wear-resistant, Impact-resistant, and Highly Oil-resistant
- > Max IP54 Rated for Water and Dust Protection
- > Housing Color is Black and is Made of PC Material. The Gun Head is Made of PA66 + 30% GF Material
- > Ergonomic Design for Convenient Handling

**SPECIFICATIONS**

|                            |                                      |
|----------------------------|--------------------------------------|
| Rated Voltage:             | AC 250/480V Compatible with 7kW/22kW |
| Rated Operating Current:   | 32A                                  |
| IP Rating:                 | IP55,IP67(Terminal connection point) |
| Mechanical Operating Life: | >10000 uses                          |
| Operating Temperature:     | -40°C ~ +50°C                        |
| Storage Temperature:       | -40°C ~ +80°C                        |
| Cable Length:              | 5m                                   |
| Storage Bag:               | Included                             |
| Weight:                    | 3.5kg(5m)                            |

**SPECIFICATIONS**

|                            |               |
|----------------------------|---------------|
| Rated Voltage:             | AC 250/480V   |
| Rated Operating Current:   | 32A           |
| IP Rating:                 | IP54          |
| Mechanical Operating Life: | >10000 uses   |
| Operating Temperature:     | -30°C ~ +50°C |
| Product Size:              | 140mm*60mm    |
| Weight:                    | 0.3kg         |