

Global Leader in Innovative
Energy Solutions



ZD ENERGY

DC 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@zdenenergy.com
Service Email: service@zdenenergy.com

 www.zdenenergy.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.



DC S-LINE



DC J-LINE (30kW-60kW)



DC Z-LINE



DC J-LINE (80kW-420kW)



DC S-LINE

40kW/60kW/80kW

HIGHLIGHTS

Wide Voltage Range:
Supports 200–1000V DC output, compatible with most EVs on the market and enabling high-voltage charging

High-Power Charging:
Delivers up to 40-80kW DC output with a maximum 200A current, ensuring rapid charging for diverse EV models

High Efficiency:
Equipped with advanced power modules, the system achieves efficiency rates above 96%, reducing energy loss and lowering operating costs

Smart HMI:
Features a 15" high-resolution touchscreen with audio support, providing an intuitive interface for drivers and operators alike

Cloud Management:
Enables remote monitoring, data analytics, and system updates through cloud integration, offering smarter control and operational transparency

Dynamic Load Distribution:
Our intelligent algorithms automatically balance power across two connectors, maximizing uptime and optimizing charging sessions

Easy Maintenance:
Modular architecture and OTA updates simplify servicing, reduce downtime, and extend equipment life

Flexible Payments:
Supports multiple payment methods including Visa, RFID, and mobile apps, ensuring seamless transactions for all users.

PROTECTIONS

Undervoltage protection
Overvoltage protection
DC Overcurrent protection
Over-temperature protection
Surge Protection Device
Emergency Stop Protection
Ground Protection

CERTIFICATIONS



SPECIFICATIONS

Power	40kW/60kW/80kW
Input Voltage	Three phase, 400V±10%, TN-S
Frequency	50Hz/60Hz
Max Output Current	CCS2: 200A CHAdeMO: 125A
Operating Temperature	-25 °C to +65 °C (Above 50°C derating operation)
Relative Humidity	5%-95% Rh non-condensing
Ingress Protection	IP55
Cooling Method	Forced Air-Cooling
Network Connection	4G/Ethernet
Communication Protocols	OCPP 1.6J or OCPP 2.0.1
Screen	15" HD high-contrast touchscreen
Cable Length	Base 5 meter cable, with optional length selection
Dimensions (W*D*H)	850*500*2030mm
Packing Size (W*D*H)	1163*688*2186mm
Weight (Including outer packaging)	≤390kg
Payment	RFID / APP / Visa / Mastercard (optional)
Language	Supports multiple language customization



DC S-LINE

120kW/140kW/160kW/180kW/200kW/240kW

HIGHLIGHTS

- Wide Voltage Range:**
Supports 200–1000V DC output, compatible with most EVs on the market and enabling high-voltage charging
- Flexible Configuration:**
Scalable power options from 120kW to 240kW to meet diverse customer requirements
- Efficient charging:**
Wide voltage range, large charging current, reduced charging queue time,improved operational efficiency
- Smart HMI:**
Features a 15” high-resolution touchscreen with audio support, providing an intuitive interface for drivers and operators alike
- Cloud Management:**
Enables remote monitoring, data analytics, and system updates through cloud integration, offering smarter control and operational transparency
- Dynamic Load Distribution:**
Our intelligent algorithms automatically balance power across two connectors, maximizing uptime and optimizing charging sessions
- Easy Maintenance:**
Modular architecture and OTA updates simplify servicing, reduce downtime, and extend equipment life
- Flexible Payments:**
Supports multiple payment methods including Visa, RFID, and mobile apps, ensuring seamless transactions for all users

PROTECTIONS

- Undervoltage protection
- Overvoltage protection
- DC Overcurrent protection
- Over-temperature protection
- Surge Protection Device
- Emergency Stop Protection
- Ground Protection

CERTIFICATIONS



SPECIFICATIONS

Power	120kW/140kW/160kW/180kW/200kW/240kW
Input Voltage	Three phase, 400V±10%, TN-S
Frequency	50Hz/60Hz
Max Output Current	CCS2: 350A【Boost 500A】CHAdeMO: 125A
Operating Temperature	-25 °C to +65 °C (Above 50°C derating operation)
Relative Humidity	5%-95% Rh non-condensing
Ingress Protection	IP55
Cooling Method	Forced Air-Cooling
Network Connection	4G/Ethernet
Communication Protocols	OCPP 1.6J or OCPP 2.0.1
Screen	15" HD high-contrast touchscreen
Cable Length	Base 5 meter cable, with optional length selection
Dimensions (W*D*H)	850*750*2000mm
Packing Size (W*D*H)	1112*1112*2290mm
Weight (Including outer packaging)	≤580kg
Payment	RFID / APP / Visa / Mastercard (optional)
Language	Supports multiple language customization



DC J-LINE

30kW/40kW

HIGHLIGHTS

Good Value:

High-performance charging in a compact form factor, offering a more affordable solution that is compatible with all EVs

Compact Design:

Flexible installation options — wall-mounted or pedestal-mounted — suitable for both commercial and residential settings

8-inch LCD Touchscreen:

Bright 800-nit display ensures visibility even in direct sunlight, with automatic dimming when not in use

Compact & Lightweight:

Small footprint design makes installation easy and space-efficient, adaptable to any location

Easy Installation:

Simple on-site setup with convenient maintenance; supports both wall-mounted and pedestal-mounted configurations

Flexible Payments:

Enables transactions via mobile app, RFID card, or POS machine

PROTECTIONS

Undervoltage protection

Overvoltage protection

DC Overcurrent protection

Over-temperature protection

Surge Protection Device

Emergency Stop Protection

Ground Protection

CERTIFICATIONS



SPECIFICATIONS

Power	30kW/40kW
Input Voltage	Three phase, 400VAC $\pm$ 15% TN-S
Frequency	45~65 Hz
Max Output Current	CCS2, GBT, CHAdeMO: 125A
Operating Temperature	-30°C ~ +50°C
Relative Humidity	5-95%, without condensation
Ingress Protection	IP54
Cooling Method	Forced Air-Cooling
Network Connection	4G/Ethernet
Communication Protocols	OCPP 1.6J or OCPP 2.0.1
Screen	8" LCD Touch Screen
Cable Length	Base 5 or 7 meter cable, with optional length selection
Dimensions (W*D*H)	690*275*1686mm
Packing Size (W*D*H)	Charger: 1250*1024*852mm Column: 740*680*1978mm
Weight (Including outer packaging)	Charger: 180kg, Column: 101kg
Payment	APP/RFID/POS(Optional)
Language	Supports multiple language customization



DC J-LINE

60kW

HIGHLIGHTS

Good Value:

High-performance charging in a compact form factor, offering a more affordable solution that is compatible with all EVs

Compact Design:

Flexible installation options — wall-mounted or pedestal-mounted — suitable for both commercial and residential settings

8-inch LCD Touchscreen:

Bright 800-nit display ensures visibility even in direct sunlight, with automatic dimming when not in use

Compact & Lightweight:

Small footprint design makes installation easy and space-efficient, adaptable to any location

Easy Installation:

Simple on-site setup with convenient maintenance; supports both wall-mounted and pedestal-mounted configurations

Flexible Payments:

Enables transactions via mobile app, RFID card, or POS machine

PROTECTIONS

Undervoltage protection

Overvoltage protection

DC Overcurrent protection

Over-temperature protection

Surge Protection Device

Emergency Stop Protection

Ground Protection

CERTIFICATIONS

CE TÜVRheinland®



SPECIFICATIONS

Power	60kW
Input Voltage	Three phase, 400VAC±15% TN-S
Frequency	45~65 Hz
Max Output Current	CCS2: 200A CHAdeMO: 125A
Operating Temperature	-30°C~+50°C
Relative Humidity	5-95%, without condensation
Ingress Protection	IP54
Cooling Method	Forced Air-Cooling
Network Connection	4G/Ethernet
Communication Protocols	OCPP 1.6J or OCPP 2.0.1
Screen	8"LCD Touch Screen
Cable Length	Base 5 or 7 meter cable, with optional length selection
Dimensions (W*D*H)	690*357*1686mm
Packing Size (W*D*H)	Charger: 1250*1024*742mm Column: 740*680*1878mm
Weight (Including outer packaging)	Charger: 216.5kg, Column: 107kg
Payment	APP/RFID/POS(Optional)
Language	Supports multiple language customization



DC J-LINE

80kW/120kW/160kW

HIGHLIGHTS

- High-Speed Charging:**
Delivers 80–120kW output power with average charging times of 30–60 minutes. Supports multiple connector standards including CCS, CHAdeMO, and GB/T
- Customizable Cloud Platform:**
Offers software customization and secure cloud access with encryption options to protect operator data
- 8-inch LCD touchscreen:**
Bright 800-nit display ensures visibility even in direct sunlight, with automatic dimming when not in use
- Optional Software:**
Compatible with cloud-based charging management systems and mobile applications
- OTA & On-Site Upgrades:**
Supports both over-the-air and on-site upgrades with no disassembly required, ensuring long-term scalability
- Flexible Payments:**
Enables transactions via mobile app, RFID card, or POS machine

PROTECTIONS

- Undervoltage protection
- Overvoltage protection
- DC Overcurrent protection
- Over-temperature protection
- Surge Protection Device
- Emergency Stop Protection
- Ground Protection

CERTIFICATIONS



SPECIFICATIONS

Power	80kW/120kW/160kW
Input Voltage	Three phase, 400VAC±15% TN-S
Frequency	45~65 Hz
Max Output Current	CCS2: 400A GBT: 250A CHAdeMO 125A
Operating Temperature	-30°C~+50°C
Relative Humidity	5-95%, without condensation
Ingress Protection	IP54
Cooling Method	Forced Air-Cooling
Network Connection	4G/Ethernet
Communication Protocols	OCPP 1.6J or OCPP 2.0.1
Screen	8"LCD Touch Screen
Cable Length	Base 5 or 7 meter cable, with optional length selection
Dimensions (W*D*H)	700*490*1696mm
Packing Size (W*D*H)	1090*750*1900mm
Weight (Including outer packaging)	324kg, 347kg, 392kg
Payment	APP/RFID/POS(Optional)
Language	Supports multiple language customization





DC J-LINE

180kW/240kW

HIGHLIGHTS

High-Speed Charging:

Delivers 180–240kW output power with average charging times of 30–60 minutes. Supports multiple connector standards including CCS, CHAdeMO, and GB/T

Customizable Cloud Platform:

Offers software customization and secure cloud access with encryption options to protect operator data

8-inch LCD touchscreen:

Bright 800-nit display ensures visibility even in direct sunlight, with automatic dimming when not in use

Optional Software:

Compatible with cloud-based charging management systems and mobile applications

OTA & On-Site Upgrades:

Supports both over-the-air and on-site upgrades with no disassembly required, ensuring long-term scalability

Flexible Payments:

Enables transactions via mobile app, RFID card, or POS machine

PROTECTIONS

Undervoltage protection

Overvoltage protection

DC Overcurrent protection

Over-temperature protection

Surge Protection Device

Emergency Stop Protection

Ground Protection

CERTIFICATIONS



SPECIFICATIONS

Power	180kW/240kW
Input Voltage	Three phase, 400VAC±15% TN-S
Frequency	45~65 Hz
Max Output Current	CCS2: 400A GBT: 250A CHAdeMO 125A
Operating Temperature	-30°C~+50°C
Relative Humidity	5-95%, without condensation
Ingress Protection	IP54
Cooling Method	Forced Air-Cooling
Network Connection	4G/Ethernet
Communication Protocols	OCPP 1.6J or OCPP 2.0.1
Screen	8"LCD Touch Screen
Cable Length	Base 5 or 7 meter cable, with optional length selection
Dimensions (W*D*H)	750*605*1805mm
Packing Size (W*D*H)	180kW: 1170*880*2080mm 240kW: 1240*1050*2120mm
Weight (Including outer packaging)	460kg, 528kg
Payment	APP/RFID/POS(Optional)
Language	Supports multiple language customization



DC J-LINE

300kW/360kW/420kW

HIGHLIGHTS

- High-Speed Charging:**

Delivers 300–420kW output power with average charging times of 30–60 minutes. Supports multiple connector standards including CCS, CHAdeMO, and GB/T
- Customizable Cloud Platform:**

Offers software customization and secure cloud access with encryption options to protect operator data
- 8-inch LCD touchscreen:**

Bright 800-nit display ensures visibility even in direct sunlight, with automatic dimming when not in use
- Optional Software:**

Compatible with cloud-based charging management systems and mobile applications
- OTA & On-Site Upgrades:**

Supports both over-the-air and on-site upgrades with no disassembly required, ensuring long-term scalability
- Flexible Payments:**

Enables transactions via mobile app, RFID card, or POS machine

PROTECTIONS

- Undervoltage protection
- Overvoltage protection
- DC Overcurrent protection
- Over-temperature protection
- Surge Protection Device
- Emergency Stop Protection
- Ground Protection

CERTIFICATIONS



SPECIFICATIONS

Power	300kW/360kW/420kW
Input Voltage	Three phase, 400VAC±15% TN-S
Frequency	45~65 Hz
Max Output Current	CCS2:400A GBT:300A
Operating Temperature	-30°C~+50°C
Relative Humidity	5-95%, without condensation
Ingress Protection	IP54
Cooling Method	Forced Air-Cooling
Network Connection	4G/Ethernet
Communication Protocols	OCPP 1.6J or OCPP 2.0.1
Screen	8"LCD Touch Screen
Cable Length	Base 5 or 7 meter cable, with optional length selection
Dimensions (W*D*H)	850*1100*2200mm
Packing Size (W*D*H)	1210*1130*2480mm
Weight (Including outer packaging)	695kg, 750kg, 806kg
Payment	APP/RFID/POS(Optional)
Language	Supports multiple language customization





DC Z-LINE

250kW

PROTECTIONS

Undervoltage protection
Overvoltage protection
DC Overcurrent protection
Over-temperature protection
Surge Protection Device
Emergency Stop Protection
Ground Protection

CERTIFICATIONS



SPECIFICATIONS

Technical Specifications	
Protection	IP 55 System, IP 67 Battery
Mechanical Protection	IK 10
Max system DC output powerii	250kW
Dimension (H*W*D)	2260mm * 1340mm * 1100mm
Weight	2650 kg
Operating Temperature	-25°C to 50°C
Humidity	5% to 90%
Network Connections	GSM/3GILTE(CE)
EMC emission	IEC 61000-6-2, IEC 61000-6-4, EN, 61851-21-2:2018(CE)
Noise emission (at 1m distance)	≤ 55 dB(A)
Output DC charging point #1	
DC output power	Max. 150 kW (DPD)
DC output current	Max. 350 A @430V, Max. 188 A @800V
DC output voltage	200-920VDC
DC output interface	CCS Type 2 Combo
DC Metering conform to MessEG	Yes (only German variant)
DC Metering conform to MID	Yes (EU -non German variants)
Vehicle PLC communication	ISO 15118, DIN 70121
Output DC charging point #2	
DC output power	Max.150 kW(DPD)
DC output currentiv	Max. 350 A @430V, Max.188 A @800V
DC output voltage	200-920VDC
DC output interface	CCS Type 2 Combo
DC Metering conform to MessEG	Yes (only German variant)
DC Metering conform to MID	Yes (EU -non German variants)
Vehicle PLC communication	ISO 15118. DIN 70121
Input	
Grid connection	400 V, 50 Hz; TN-C-S; 3P + N + PE 16 / 32 / 63A; 2 low voltage safety lines (Impact)
Electrical protection	Overvoltage category IV(DIN 60664-1)
RCD protection	Yes (Type B)
Remote Emergency Stop Function (optional):	Yes (according to APEA-Electric Vehicle Charging Installations a Filling Stations)
Power factor	> 0.95
Efficiency	≤ 0°C: ≥75%, >0°C- +30°C: ≥80%, >+30°C: ≥ 75%
Battery	
Internal battery rated capacity	193.536kWh
Maximum usable capacity	160 kWh
SoCmin./Socmax.	5%/95%
Max.recharge power	2*20kW to battery, 1*40kW (DPD) to vehicle
User Interface	10" Touch Screen
HMI	43" Advertising Screen, Status LEDs, Charge Stop button
Authorization / Payment	RFID Mifare (IEC 14443 AB) Compliant to PCI-PTS 3.x, PCI-PTS 6-858318327> NFC /Credit Card (IEC 18092)
Operator interface	
OCPP	OCPP 1.6-J, Improved security for OCPP 1.6-J, edition 2, OCPP 2.0.1
Cable Management System	Support (Option)