

# WZ-SERIES Better DC changing solution

High-power fast charging

Extended equipment life

Improved charging efficiency

Strong adaptability



Comply with IEC/GBT standards

Provided Flexible solution

Whole solutions for design, assembly, test...

Accountable solution for safety and reliability

Wide range offering, easy business and provide technology support.



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Zhejiang Rockwill Energy Technology Co., Ltd. is a technology enterprise specializing in providing complete solutions for power automation system and related automation system supporting equipment.

The company has a long-term strategic cooperation with internationally renowned middle and high voltage electrical equipment R & D and manufacturing companies and research institutes, and has jointly developed a series of high-quality automation products,. The company has also married with the provincial intelligent high-voltage switch laboratory to jointly develop a new generation of intelligent synchronous switch measurement and control devices, electronic transformers, voltage sensor processing units, etc., and has achieved some fruitful technical achievements and accumulated a large number of industry professional and technical elites with excellent experience. Solid talent base, advanced production equipment, perfect quality system, strict testing means, is a strong guarantee for the company's product quality alone.

In addition to providing a rich choice of products, we can provide you with technical solution support services, you only need to tell us your needs, our technical staff will be tailored for you to design a complete set of product solutions

The company is renowned at home and abroad for providing high-quality products and services. In addition to the domestic market, the products are currently exported to South America, Central Asia, the Middle East, Central Europe, Southeast Asia, Africa and other places. We always adhere to the belief of growing together with customers, and strive to provide safer, more reliable, more advanced and more humane automation system solutions and equipment.

ROCKWILL®, China. Provide with best support.

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## Summary

<http://www.rw-relay.com>

ROCKWILL® Energy strives to bring our customers the latest technology and competitive pricing and best service for distribution automatic.

The WZ series DC charging pile directly converts AC power into DC power and quickly delivers the electrical energy to the battery pack of the electric vehicle through the charging gun. It is an electric vehicle charging device. It bypasses the charging conversion device inside the electric vehicle, reduces the energy conversion link, and thus achieves fast charging. The WZ series product line covers the entire range from 20 to 480KW, and through excellent architecture design, it strikes a balance between charging efficiency and construction costs.

The charging module and power distribution unit are the core components of the WZ series charging piles, responsible for converting alternating current into direct current and being able to adjust the output voltage and current according to the requirements of the vehicle battery. The charging gun is the interface of the WZ series for connecting charging piles and electric vehicles. It needs to comply with relevant standards to ensure safety and compatibility. It currently supports mainstream charging interfaces.

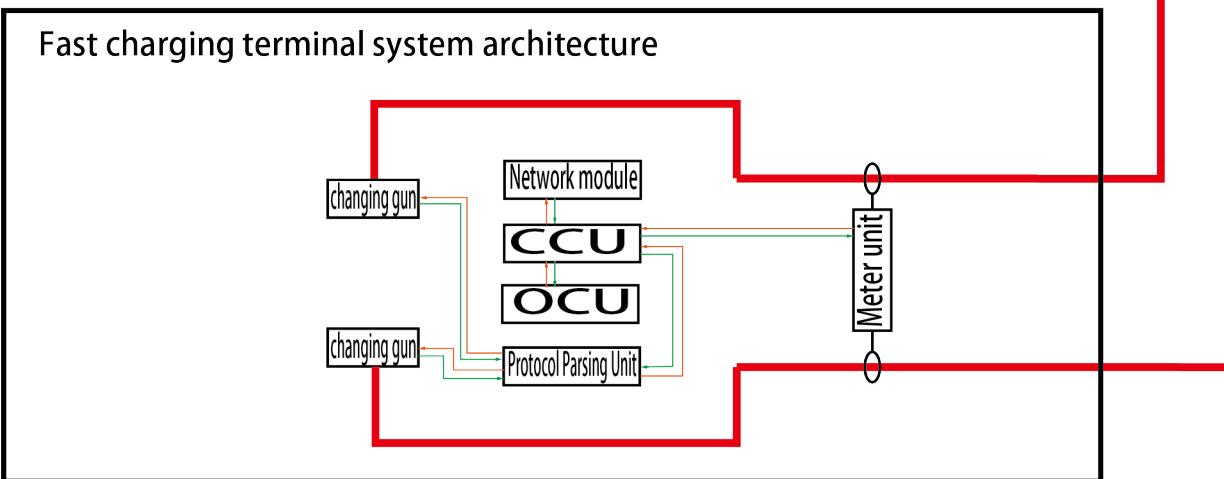
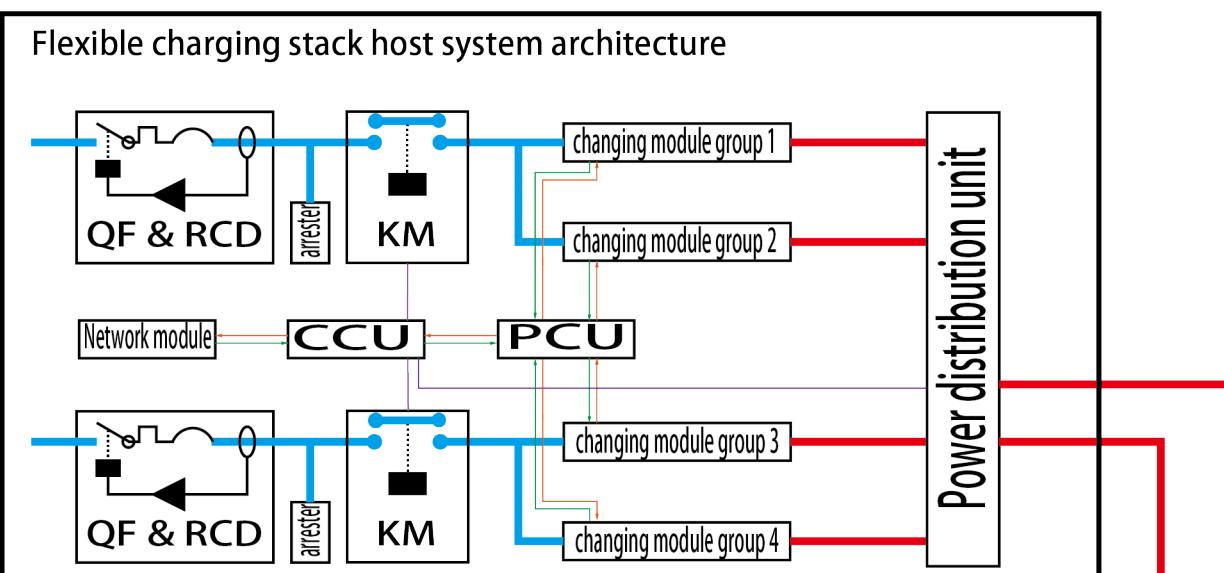
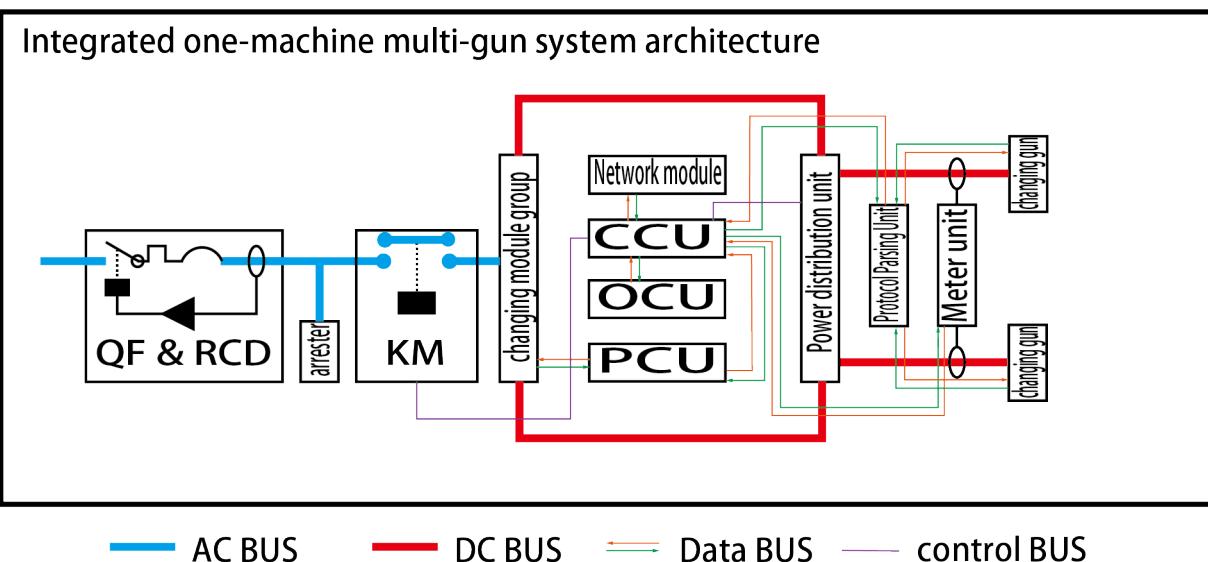
The software aspect includes EMS (Energy Management System) and the charging and discharging management system for charging piles. The charging and discharging management system of the charging pile is responsible for monitoring the charging process, including communication with the vehicle, and adjusting the charging parameters according to the battery status, such as detecting battery temperature and power level, to protect battery safety and improve charging efficiency. The EMS platform is an energy management platform that provides functions such as operation management, monitoring and maintenance of charging piles.

## Service environment

Air temperature: Ambient temperature: -30°C ~ +55°C

Humidity: 0% ~ 95% (Non-congealing cream)

Above sea level: -100~2000m



## Product picture:



**Double guns DC EV changer**

## Main features:

- Multi-Standard Compatibility: Resolves charging interface differences across brands and regions in one go, eliminating the need for additional adapters.
- Flexible Customization: Supports free combination of single or multiple standard modules to suit diverse scenarios such as commercial operations, highway rest areas, and community charging stations.
- High-Efficiency Fast Charging: With a maximum output power of 60kW to 80kW, it can charge a vehicle from 10% to 80% in just 30 minutes.
- Intelligent Management: Integrated smart monitoring system for real-time tracking of charging status, power distribution, and device health, supporting remote operation and maintenance.
- Safe & Reliable: Equipped with overvoltage/overcurrent protection, leakage monitoring, and temperature control systems to ensure safe and stable charging throughout the process.

## Technology parameters:

Category	specifications	Data parameters	
Product Model		WZ05-60kW	WZ05-80kW
Appearance structure	Dimensions (L x D x H)	600mm x 700mm x 1870mm	
	Weight	360kg	
	Length of charging cable	5m	
	Connectors	GBT,CCS2,CCS1,CHAdemo,NACS	
Electrical indicators	Input Voltage	400VAC / 480VAC (3P+N+PE)	
	Input frequency	50/60Hz	
	Output Voltage	200 - 1000VDC	
	Output current	0-200A	
	rated power	60kW	80kW
	Efficiency	Peak Power $\geq 96\%$	
	Power factor	>0.98	
	Communication protocol	OCPP 1.6J (State Grid Corporation of China, YKC, Xiao ju and other operating platforms.)	
functional design	Display	7" LCD with touch screen	
	Number of guns	2	
	Access Control	RFID/ ISO/IEC 14443A/B / POS machine (Optional)	
	Communication	WIFI/Ethernet / 3G/4G Modem (Optional)	
	Power Electronics Cooling	Air Cooled	
work environment	Operating temperature	-30°C to 75°C	
	Working/Storage Humidity	$\leq 95\% \text{ RH}$ / $\leq 99\% \text{ RH}$ (Non-condensing)	
	Altitude	< 2000m	
	Ingress Protection	IP54 / IK10	
safety design	Safety protection	Overvoltage protection, lightning protection, overcurrent protection, leakage protection, waterproof protection, etc	
	Emergency Stop	Emergency Stop Button Disables Output Power	

## Dimension:



## Product picture:



**Double guns DC EV changer**

## Main features:

- Electrical Safety Protection: Comprehensive electrical safety mechanisms eliminate potential hazards, ensuring charging safety.
- Capacitive Display Performance: Equipped with a capacitive screen, it maintains high clarity even under intense sunlight, ensuring visibility in various environments.
- Outlet & Cable Design: The downward - slanted outlet allows cables to hang naturally, preventing epidermal wear and prolonging cable lifespan.

## Technology parameters

Category	specifications	Data parameters				
Product Model		WZ06-120kW	WZ06-160kW	WZ06-180kW	WZ06-200kW	WZ06-240kW
Appearance structure	Dimensions (L x D x H)	705mm x 500mm x 1700mm				
	Weight	320kg				
	Length of charging cable	5m				
	Connectors	GBT,CCS2,CCS1,CHAdeMO,NACS				
Electrical indicators	Input Voltage	400VAC / 480VAC (3P+N+PE)				
	Input frequency	50/60Hz				
	Output Voltage	200 - 1000VDC				
	Output current	1-250A				
	rated power	120kW	160kW	180kW	200kW	240kW
	Efficiency	Peak Power $\geq 96\%$				
	Power factor	>0.98				
	Communication protocol	OCPP 1.6J (State Grid Corporation of China, YKC, Xiao ju and other operating platforms.)				
functional design	Display	7" LCD with touch screen				
	Number of guns	2				
	Access Control	RFID/ ISO/IEC 14443A/B / POS machine (Optional)				
	Communication	WIFI/Ethernet / 3G/4G Modem (Optional)				
	Power Electronics Cooling	Air Cooled				
work environment	Operating temperature	-30°C to 75°C				
	Working/Storage Humidity	$\leq 95\% \text{ RH}$ / $\leq 99\% \text{ RH}$ (Non-condensing)				
	Altitude	< 2000m				
	Ingress Protection	IP54 / IK10				
safety design	Safety protection	Overvoltage protection, lightning protection, overcurrent protection, leakage protection, waterproof protection, etc				
	Emergency Stop	Emergency Stop Button Disables Output Power				

## Dimension:



## Product picture:



## Double guns DC EV changer

### Main features:

- Full Power Range: 160–320kW for light buses, passenger cars, electric trucks; 320kW model charges 10%–80% in 30 mins.
- Dual-Gun Parallel Charging: 2 independent guns (320kW each) for simultaneous use, boosting station throughput and cutting wait times.
- Universal Compatibility: Supports 4 core standards (GBT/CCS1/CHAdemo/CCS2), matching over 99% of global EVs (Tesla, BYD, VW, Nissan, etc.).
- Intelligent Power Management: Dynamic current allocation between guns ensures stable output during simultaneous charging.
- Efficient Cooling & Safety: Liquid-cooled thermal control for -30°C to 55°C operation; with overvoltage/overcurrent protection, leakage monitoring and fireproof design.
- Flexible Deployment: Wall/floor-mounted options for highway rest areas, commercial parking lots, logistics parks; seamless third-party platform integration.

## Technology parameters:

Category	specifications	Data parameters			
Product Model		WZ07-120kW WZ07-160kW WZ07-180kW WZ07-240kW			
Appearance structure	Dimensions (L x D x H)	750mm x 600mm x 1900mm			
	Weight	336kg			
	Length of charging cable	5m			
	Connectors	GBT,CCS2,CCS1,CHAdeMO,NACS			
Electrical indicators	Input Voltage	400VAC / 480VAC (3P+N+PE)			
	Input frequency	50/60Hz			
	Output Voltage	200 - 1000VDC			
	Output current	1-250A			
	rated power	120kW	160kW	180kW	240kW
	Efficiency	Peak Power $\geq 96\%$			
	Power factor	>0.98			
	Communication protocol	OCPP 1.6J (State Grid Corporation of China, YKC, Xiao ju and other operating platforms.)			
functional design	Display	7" LCD with touch screen			
	Number of guns	2			
	Access Control	RFID/ ISO/IEC 14443A/B / POS machine (Optional)			
	Communication	WIFI/Ethernet / 3G/4G Modem (Optional)			
	Power Electronics Cooling	Air Cooled			
work environment	Operating temperature	-30°C to 75°C			
	Working/Storage Humidity	$\leq 95\% \text{ RH}$ / $\leq 99\% \text{ RH}$ (Non-condensing)			
	Altitude	< 2000m			
	Ingress Protection	IP54 / IK10			
safety design	Safety protection	Overvoltage protection, lightning protection, overcurrent protection, leakage protection, waterproof protection, etc			
	Emergency Stop	Emergency Stop Button Disables Output Power			

## Dimension:



## Product picture:



## Fast DC EV changer

### Main features:

- Ultra-fast charging: Reaches 80% charge in just 15 to 30 minutes
- Multi-standard compatibility: Supports CHAdeMO, GB/T 20234.1/3, CCS1, and CCS2
- High efficiency: >95% efficiency with PF>0.99 (APFC)
- Smart connectivity: OCPP 1.6J (JSON), RFID (ISO14443A), 7" touchscreen HMI
- Multi-language support: English, French, Spanish, Russian
- Network options: Ethernet/4G/3G connectivity
- Robust design: IK10 impact resistance & IP54 protection
- Easy installation and maintenance

## Technology parameters:

Category	specifications	Data parameters							
Product Model		WZ10-60kW	WZ10-120kW	WZ10-180kW	WZ10-240kW	WZ10-320kW	WZ10-400kW		
Appearance structure	Dimensions (L x D x H)	745mm x 630mm x 1750mm				700mm x 700mm x 1900mm			
	Weight	360kg				440kg			
	Length of charging cable	5m							
Electrical indicators	Connectors	GBT,CCS2,CCS1,CHAdeMO,NACS							
	Input Voltage	400VAC / 480VAC (3P+N+PE)							
	Input frequency	50/60Hz							
	Output Voltage	200 - 1000VDC							
	Output current	0-250A			0-300A				
	rated power	60kW	120kW	180kW	240kW	320kW	400kW		
	Efficiency	Peak Power≥96%							
functional design	Power factor	>0.98							
	Communication protocol	OCPP 1.6J (State Grid Corporation of China,YKC, Xiao ju and other operating platforms.)							
	Display	7" LCD with touch screen							
	Access Control	RFID: ISO/IEC 14443A/B / POS machine (Optional)							
	Communication	WIFI / Ethernet / 3G/4G Modem (Optional)							
work environment	Power Electronics Cooling	Air Cooled							
	Operating temperature	-30°C to 75°C							
	Working / Storage Humidity	≤ 95% RH / ≤ 99% RH (Non-condensing)							
	Altitude	<2000m							
safety design	Ingress Protection	IP54 / IK10							
	Safety protection	Overvoltage protection, lightning protection, overcurrent protection, leakage protection, waterproof protection, etc							
	Emergency Stop	Emergency Stop Button Disables Output Power							

## Dimension:



## Product picture:



## 3 guns DC EV changer

### Main features:

- 3-Gun Simultaneous Charging: Doubles throughput vs dual-gun products, reducing queuing time.
- Five Power Options: Customizable deployment based on traffic flow, grid capacity, and budget.
- AC/DC Integrated & Full-Standard Compatibility: Covers global vehicle models, no additional adapters.
- Industry-Academia-Research Cooperation: Advanced power automation technology ensures reliability and low carbon performance.
- OCPP 1.6 Compliance: Seamless connection to global platforms, supporting cross-border operation.
- High Efficiency:  $\geq 94\%$  nominal efficiency, reducing energy loss and operator costs.
- Flexible Operation & Payment: 7-inch touch screen, RFID + optional POS/credit card payment.
- Comprehensive Safety: GFCI leakage (30mA Type A), 20kA surge, overvoltage/overcurrent protection + emergency stop.
- Air-Cooled Stability: Low failure rate, adaptable to  $-30^{\circ}\text{C} \sim 55^{\circ}\text{C}$  outdoor scenarios.

## Technology parameters:

Category	specifications	Data parameters			
Product Model		WZ09-120kW	WZ09-160kW	WZ09-180kW	WZ09-240kW
Appearance structure	Dimensions (L x D x H)	1000mm x 650mm x 1800mm			
	Weight	360kg			
	Length of charging cable	5m			
	Connectors	GBT,CCS2,CCS1,CHAdeMO,NACS			
Electrical indicators	Input Voltage	400VAC / 480VAC (3P+N+PE)			
	Input frequency	50/60Hz			
	Output Voltage	200 - 1000VDC			
	Output current	1-250A			
	rated power	120kW	160kW	180kW	240kW
	Efficiency	Peak Power $\geq 96\%$			
	Power factor	>0.98			
	Communication protocol	OCPP 1.6J (State Grid Corporation of China, YKC, Xiao ju and other operating platforms.)			
functional design	Display	7" LCD with touch screen			
	Number of guns	3			
	Access Control	RFID/ ISO/IEC 14443A/B / POS machine (Optional)			
	Communication	WIFI/Ethernet / 3G/4G Modem (Optional)			
	Power Electronics Cooling	Air Cooled			
work environment	Operating temperature	-30°C to 75°C			
	Working/Storage Humidity	$\leq 95\% \text{ RH} / \leq 99\% \text{ RH}$ (Non-condensing)			
	Altitude	< 2000m			
	Ingress Protection	IP54    IK10			
safety design	Safety protection	Overvoltage protection, lightning protection, overcurrent protection, leakage protection, waterproof protection, etc			
	Emergency Stop	Emergency Stop Button Disables Output Power			

## Dimension:



## Product picture:



## 4 guns DC EV changer

### Main features:

- 3/4-Gun Flexible Option: Adapts to traffic flow and parking density, maximizing resource utilization.
- 4-Gun Simultaneous Charging: Doubles throughput vs dual-gun products, solving high-demand queuing issues.
- Front & Rear Double-Door Cabinet: Simplifies assembly, inspection, and maintenance, reducing downtime.
- Full Global Standard Compatibility: No adapters needed, covering almost all new energy vehicle models.
- Multi-Platform Adaptability: Connects to OCPP and domestic mainstream platforms, flexible for diverse operations.
- High Peak Efficiency:  $\geq 96\%$  conversion efficiency, saving long-term electricity costs for operators.
- Intuitive Operation & Diversified Payment: 7-inch touch screen, RFID + optional POS/credit card payment.
- Wide Temperature Adaptability: Air-cooled design, stable in  $-30^{\circ}\text{C} \sim 75^{\circ}\text{C}$  extreme weather.
- Comprehensive Safety: Overvoltage/lightning/overcurrent/leakage protection + IP54/IK10 + emergency stop button.

## Technology parameters:

Category	specifications	Data parameters			
Product Model		WZ10- 60kW	WZ10- 120kW	WZ10- 180kW	WZ10- 240kW
Appearance structure	Dimensions (L x D x H)	900mm x 900mm x 1975mm			
	Weight	530kg			
	Length of charging cable	5m			
	Connectors	GBT,CCS2,CCS1,CHAdeMO,NACS			
Electrical indicators	Input Voltage	400VAC / 480VAC (3P+N+PE)			
	Input frequency	50/60Hz			
	Output Voltage	200 - 1000VDC			
	Output current	1-250A			
	rated power	60kW	120kW	180kW	240kW
	Efficiency	Peak Power $\geq 96\%$			
	Power factor	>0.98			
	Communication protocol	OCPP 1.6J (State Grid Corporation of China, YKC, Xiao ju and other operating platforms.)			
functional design	Display	7" LCD with touch screen			
	Number of guns	3/4(Optional)			
	Access Control	RFID/ ISO/IEC 14443A/B / POS machine (Optional)			
	Communication	WIFI/Ethernet / 3G/4G Modem (Optional)			
	Power Electronics Cooling	Air Cooled			
work environment	Operating temperature	-30°C to 75°C			
	Working/Storage Humidity	$\leq 95\% \text{ RH}$ / $\leq 99\% \text{ RH}$ (Non-condensing)			
	Altitude	< 2000m			
	Ingress Protection	IP54 / IK10			
safety design	Safety protection	Overvoltage protection, lightning protection, overcurrent protection, leakage protection, waterproof protection, etc			
	Emergency Stop	Emergency Stop Button Disables Output Power			

## Dimension:



## Product picture:



## Commercial Integrated Rectifier Stack

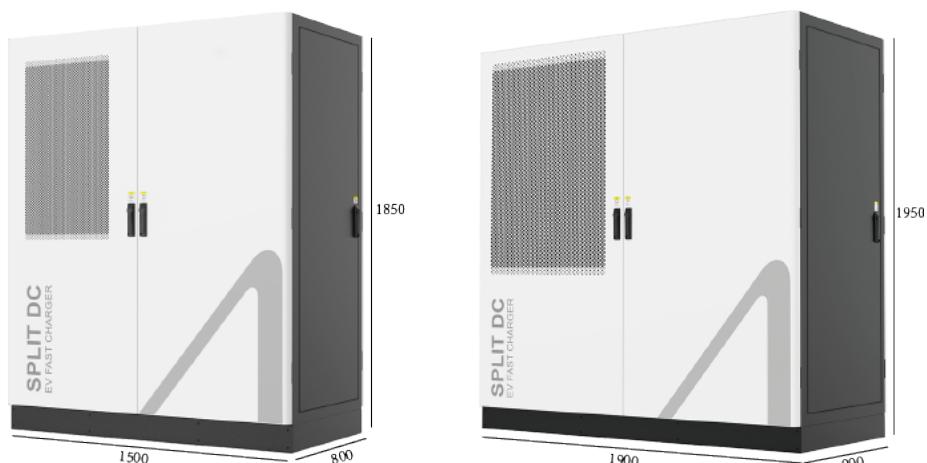
### Main features

- Flexible Terminal Configuration: 12 single-gun or 6 dual-gun options, adapting to diverse parking and service modes.
- 12-Vehicle Concurrent Charging: Boosts charging station throughput for high-traffic scenarios.
- Parallel Output: Optional 40kW per port, balancing power distribution to avoid monopolization.
- Configurable Power: Adjusts based on grid load and battery states, ensuring economic operation.
- Dual-Mode Support: Standalone (internal management) and commercial (platform connection) modes.
- Full-Vehicle Compatibility: 200-1000VDC voltage, 1200A max current, suitable for passenger cars, trucks, etc.
- Diversified Payment: Standard RFID + optional credit card reader, meeting commercial needs.
- High Protection: IP54 dustproof/waterproof + IK10 impact resistance for harsh outdoor environments.
- Comprehensive Safety: Overvoltage/lightning/overcurrent/leakage protection + emergency stop button.

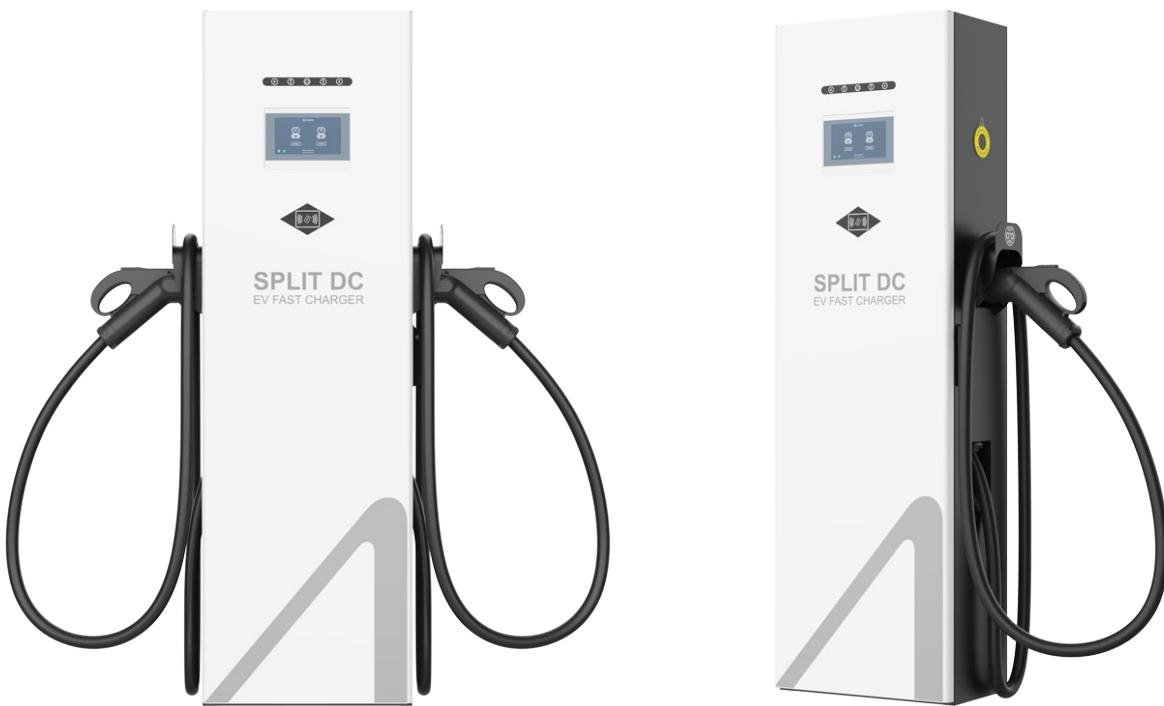
## Technology parameters:

Category	specifications	Data parameters	
Appearance structure	Model	WZ12Z-480kW	WZ12Z-960kW/1200kW
	Dimensions (L x D x H)	1500mm x 800mm x 1850mm	1900mm x 900mm x 1950mm
	Weight	550kg	750kg
	Maximum carrying capacity	6 dual gun charging stations or 12 single gun charging stations	
	Parallel Charge Mode (Optional)	40kW per Port	
Electrical indicators	Input Voltage	400VAC / 480VAC (3P+N+PE)	
	Input frequency	50/60Hz	
	Output Voltage	200 - 1000VDC	
	Output current	0 to 1200A	0 to 1200A
	rated power	480kW	960kW/1200kW
	Efficiency	≥94% at nominal output power	
	Power factor	> 0.98	
functional design	Communication protocol	CCCP 1.6J	
	Display	Customize according to requirement	
	RFID system	ISO/IEC 14443A/B	
	Access Control	RFID: ISO/IEC 14443A/B / Credit Card Reader (Optional)	
	Communication	Ethernet - Standard   3G/4G Modem (Optional)	
work environment	Power Electronics Cooling	Air Cooled	
	Operating temperature	-30°C to 55°C	
	Working/ Storage Humidity	≤ 95% RH/≤ 99% RH (Non-condensing)	
	Altitude	< 2000m	
safety design	Ingress Protection	IP54/ IK10	
	Safety standard	GB/T 18487, GB/T 20234, GB/T 27930, ISO15118, IEC61851	
	Safety protection	Overvoltage protection, lightning protection, overcurrent protection, leakage protection, waterproof protection, etc.	
	Emergency Stop	Emergency Stop Button Disables Output Power	

## Dimension:



## Product picture:



## Commercial Fast Charging Terminal

### Main features

- Single/Dual-Gun Flexibility: Dual-gun serves two vehicles simultaneously, boosting space utilization and efficiency.
- 2.5C Ultra-Fast Charging: Max 1000V/250A (GBT)/200A (CCS2) output, cutting charging time to tens of minutes.
- Parallel & Configurable Power: Forms charging clusters with rectifier cabinets; adjusts output to protect batteries and adapt to grid load.
- Diversified Payment: Standard RFID + optional credit card reader, meeting commercial user needs.
- Dual-Mode Support: OCPP 1.6J enables enterprise internal management and commercial platform connection.
- Efficient Air-Cooled Cooling: Simple structure, low failure rate, maintaining stability in -30°C~55°C.
- High Protection: IP54 dustproof/waterproof + IK10 impact resistance for harsh outdoor environments.
- Comprehensive Safety: Overvoltage/lightning/overcurrent/leakage protection + emergency stop button.

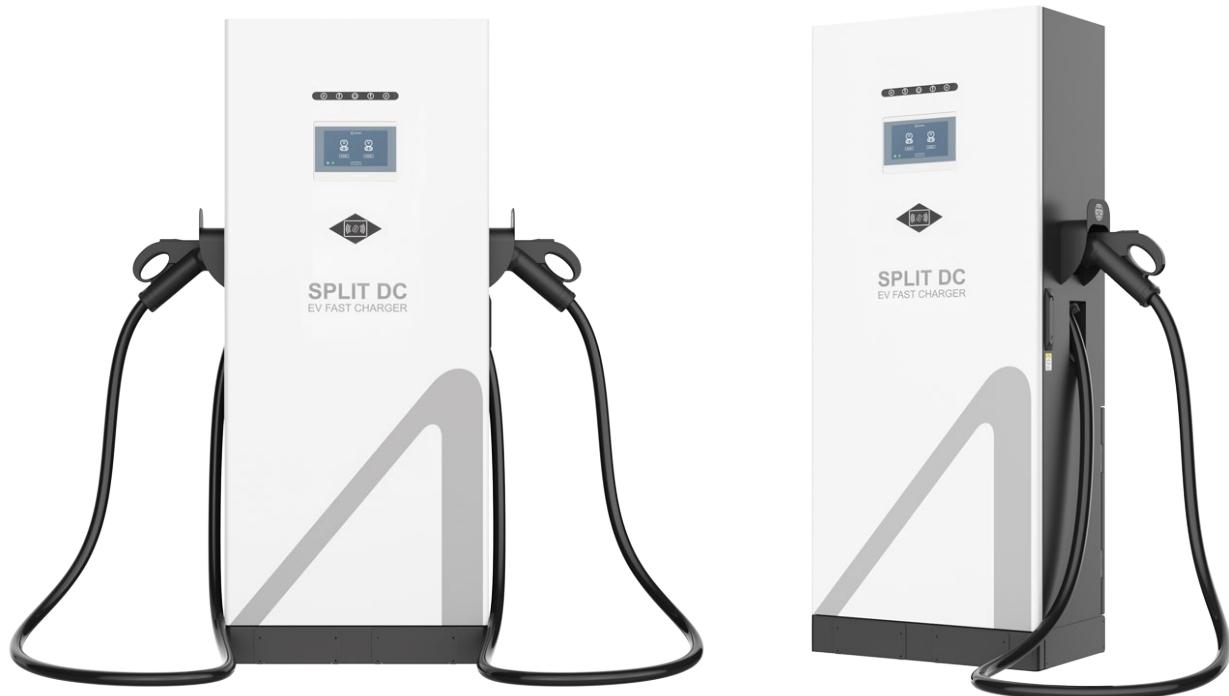
## Technology parameters:

Category	specifications	Data parameters
Appearance structure	Model	WZ12T-250kW
	Dimensions (L x D x H)	500mm x 300mm x 1650mm
	Weight	92kg
	Length of charging cable	3.5m
	Connectors	CCS2 / GBT
Electrical indicators	Input Voltage	0 to 1000V DC
	Input frequency	50/60Hz
	Output Voltage	200 - 1000VDC
	Output current	CCS2 -200A / GBT- 250A
	Insulation (input - output)	>2.5kV
	Efficiency	≥94% at nominal output power
	Power factor	>0.98
	Communication protocol	OCPP 1.6]
functional design	Display	Customize according to requirements
	RFID system	ISO/IEC 14443A/B
	Access Control	RFID: ISO/IEC 14443A/B / Credit Card Reader (Optional)
	Communication	Ethernet – Standard / 3G/4G Modem (Optional)
	Power Electronics Cooling	Air Cooled
work environment	Operating temperature	-30°C to 55°C
	Working / Storage Humidity	≤ 95% RH / ≤ 99% RH (Non-condensing)
	Altitude	< 2000m
	Ingress Protection	IP54 / IK10
safety design	Safety standard	GB/T 18487, GB/T 20234 , GB/T 27930 , ISO15118, IEC61851
	Safety protection	Overvoltage protection, lightning protection, overcurrent protection, leakage protection, waterproof protection, etc
	Emergency Stop	Emergency Stop Button Disables Output Power

## Dimension:



## Product picture:



## Liquid-Cooled super fast Charging Terminal

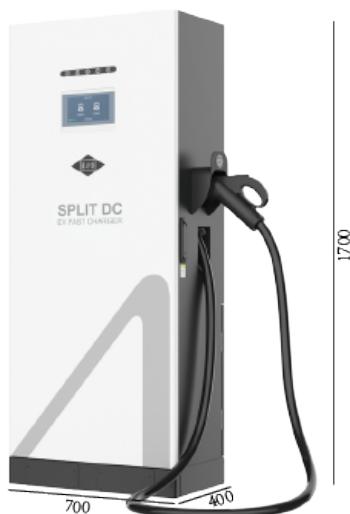
### Main features

- Single/Dual-Gun Flexibility: Dual-gun serves two vehicles simultaneously, boosting space utilization and efficiency.
- 5C super-Fast Charging: Max 1000V/600A (GBT) output, cutting charging time to tens of minutes.
- Parallel & Configurable Power: Forms charging clusters with rectifier cabinets; adjusts output to protect batteries and adapt to grid load.
- Diversified Payment: Standard RFID + optional credit card reader, meeting commercial user needs.
- Dual-Mode Support: OCPP 1.6J enables enterprise internal management and commercial platform connection.
- Efficient Air-Cooled Cooling: Simple structure, low failure rate, maintaining stability in -30°C~55°C.
- High Protection: IP54 dustproof/waterproof + IK10 impact resistance for harsh outdoor environments.
- Comprehensive Safety: Overvoltage/lightning/overcurrent/leakage protection + emergency stop button.

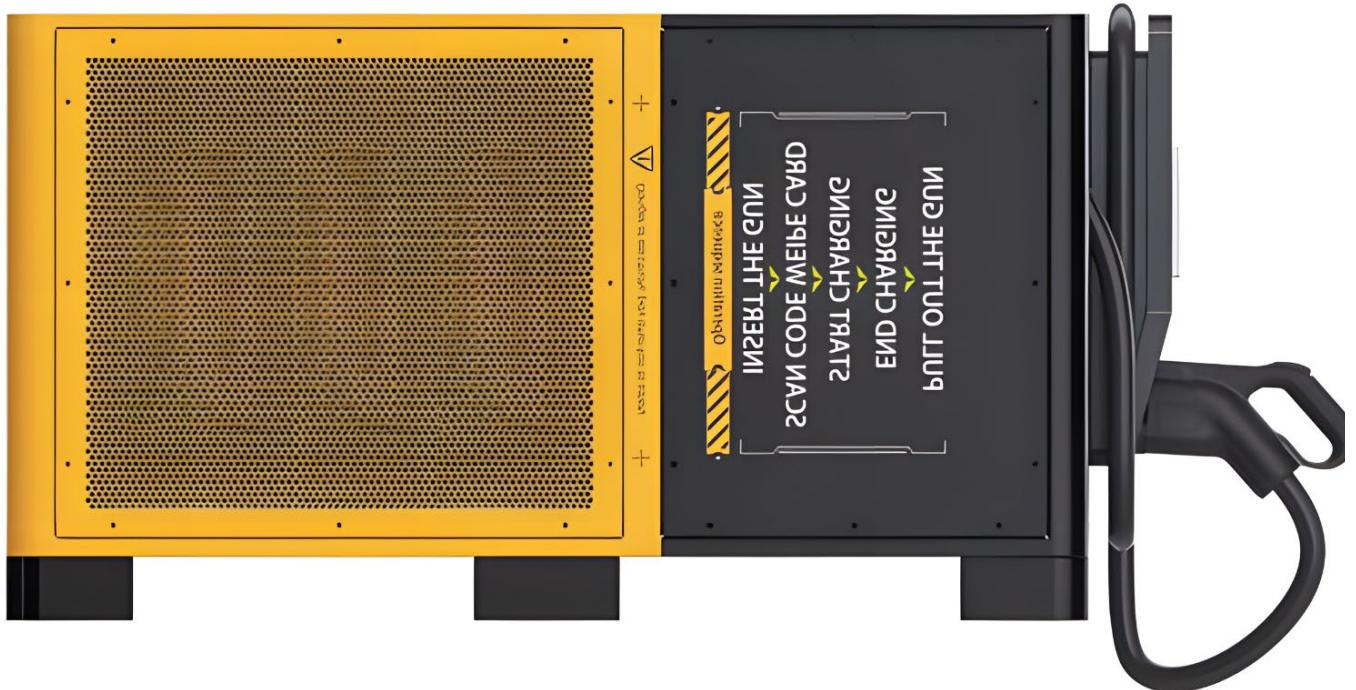
## Technology parameters:

Category	specifications	Data parameters
Appearance structure	Model	WZ12LT-600kW
	Dimensions (L x D x H)	500mm x 300mm x 1650mm
	Weight	92kg
	Length of charging cable	3.5m
	Connectors	CCS2 / GBT
Electrical indicators	Input Voltage	0 to 1000V DC
	Input frequency	50/60Hz
	Output Voltage	200 - 1000VDC
	Output current	CCS2 -400A / GBT- 600A
	Insulation (input - output)	>2.5kV
	Efficiency	≥94% at nominal output power
	Power factor	>0.98
	Communication protocol	OCPP 1.6]
functional design	Display	Customize according to requirements
	RFID system	ISO/IEC 14443A/B
	Access Control	RFID: ISO/IEC 14443A/B / Credit Card Reader (Optional)
	Communication	Ethernet – Standard / 3G/4G Modem (Optional)
	Power Electronics Cooling	Air Cooled
work environment	Operating temperature	-30°C to 55°C
	Working / Storage Humidity	≤ 95% RH / ≤ 99% RH (Non-condensing)
	Altitude	< 2000m
	Ingress Protection	IP54 / IK10
safety design	Safety standard	GB/T 18487, GB/T 20234 , GB/T 27930 , ISO15118, IEC61851
	Safety protection	Overvoltage protection, lightning protection, overcurrent protection, leakage protection, waterproof protection, etc
	Emergency Stop	Emergency Stop Button Disables Output Power

## Dimension:



## Product picture:



## DC to DC EV changer(mobile)

### Main features:

- Independent Original Design : Brand-new fully independent R&D and design, with original structural and appearance shaping, creating unique product recognition and breaking homogeneous design constraints.
- Bold Trendy Color Matching : Adopts striking and bold color scheme, deeply catering to the personalized and differentiated aesthetic preferences of the young consumer group.
- Customizable One-stop Service : Fully supports customers' personalized customization needs, available for targeted adjustment of appearance color and partial functional configurations.
- Flexible High-power Expansion : With scalable power system design, the standard 60kW can be flexibly upgraded to a maximum of 240kW to match high-power charging needs.
- Youth-oriented Aesthetic Design : Integrates youth-centric design concepts, aligning the overall style with the aesthetic trend of young people and realizing aesthetic differentiation.

## Technology parameters:

Category	specifications	Data parameters			
Product Model		WZ13-60kW WZ13-120kW WZ13-180kW WZ13-240kW			
Appearance structure	Dimensions (L x D x H)	750mm x 1200mm x 700mm			
	Weight	318kg			
	Length of charging cable	5m			
	Connectors	GBT,CCS2,CCS1,CHAdeMO,NACS			
Electrical indicators	Input Voltage	Rated: 750VDC / Wide pressure range: 200-850VDC			
	Input frequency	/			
	Output Voltage	200 - 1000VDC			
	Output current	0-250A			
	rated power	60kW	120kW	180kW	240kW
	Efficiency	Peak Power $\geq 96\%$			
	Power factor	>0.98			
	Communication protocol	OCPP 1.6J (State Grid Corporation of China, YKC, Xiao ju and other operating platforms.)			
functional design	Display	7" LCD with touch screen			
	Number of guns	1			
	Access Control	RFID/ ISO/IEC 14443A/B / POS machine (Optional)			
	Communication	WIFI/Ethernet / 3G/4G Modem (Optional)			
	Power Electronics Cooling	Air Cooled			
work environment	Operating temperature	-30°C to 75°C			
	Working/Storage Humidity	$\leq 95\% \text{ RH}$ / $\leq 99\% \text{ RH}$ (Non-condensing)			
	Altitude	< 2000m			
	Ingress Protection	IP54 / IK10			
safety design	Safety protection	Overvoltage protection, lightning protection, overcurrent protection, leakage protection, waterproof protection, etc			
	Emergency Stop	Emergency Stop Button Disables Output Power			

## Dimension:



## Product picture:



## BI-DIRECTIONAL DC Fast Charger

### Main features:

- Ultra-Compact Footprint: Boasts an extremely small, occupied area, effectively saving on-site space resources and realizing space-efficient deployment in various limited areas.
- Ideal for Space-Constrained Scenarios: Precisely adapted to low-power charging scenarios with strict site space restrictions, solving the deployment pain point of charging equipment in narrow areas.
- Compatible with Power Distribution-Limited Scenarios: Perfectly matches low-power charging scenarios with power distribution condition restrictions, adapting to the actual power supply capacity of different sites.
- Low-Power Scenario Exclusive Adaptation: Tailor-made for low-power charging application scenarios, fully fitting the dual constraints of on-site space and power distribution at the same time.
- Bidirectional Charging & Discharging: Enables two-way energy transfer with grid/load (charge storage, discharge to grid/emergency loads), cuts cost via peak-valley tariffs, offers backup power and grid peak regulation for flexible low-power scenario application.

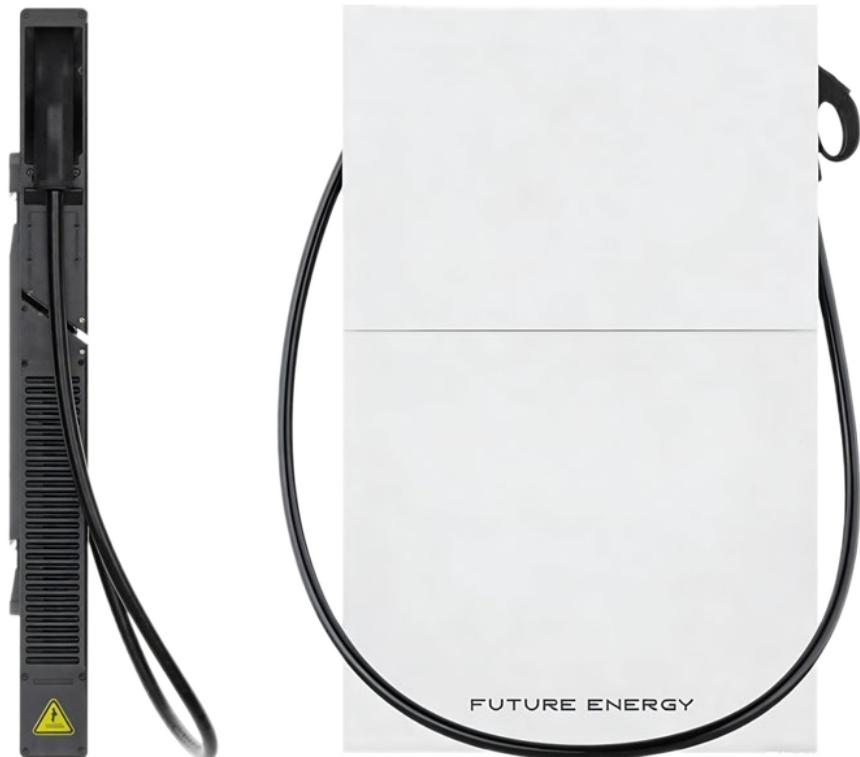
## Technology parameters:

Category	specifications	Data parameters	
Product Model		WZ14-20kW      WZ14-40kW	
Appearance structure	Dimensions (L x D x H)	650mm x 260mm x 1600mm	
	Weight	360kg	
	Length of charging cable	5m	
	Connectors	GBT,CCS2,CCS1,CHAdeMO,NACS	
Electrical indicators	Input/ Inverter Voltage	400VAC / 480VAC (3P+N+PE)	
	Rated frequency	50/60Hz	
	Rated DC Voltage	200 - 1000VDC	
	Rated DC current	50A	80A
	rated power	20kW	40kW
	Efficiency	Peak Power $\geq 96\%$	
	Power factor	>0.98	
	Communication protocol	OCPP 1.6J (State Grid Corporation of China,YKC, Xiao ju and other operating platforms.)	
functional design	Display	7" LCD with touch screen	
	Number of guns	1	
	Access Control	RFID/ ISO/IEC 14443A/B / POS machine (Optional)	
	Communication	WIFI/Ethernet / 3G/4G Modem (Optional)	
	Power Electronics Cooling	Air Cooled	
work environment	Operating temperature	-30°C to 75°C	
	Working/Storage Humidity	$\leq 95\% \text{ RH}$ / $\leq 99\% \text{ RH}$ (Non-condensing)	
	Altitude	< 2000m	
	Ingress Protection	IP54 / IK10	
safety design	Safety protection	Overvoltage protection, lightning protection, overcurrent protection, leakage protection, waterproof protection, etc	
	Emergency Stop	Emergency Stop Button Disables Output Power	

## Dimension:



## Product picture:



## Lightweight Integrated DC Charger

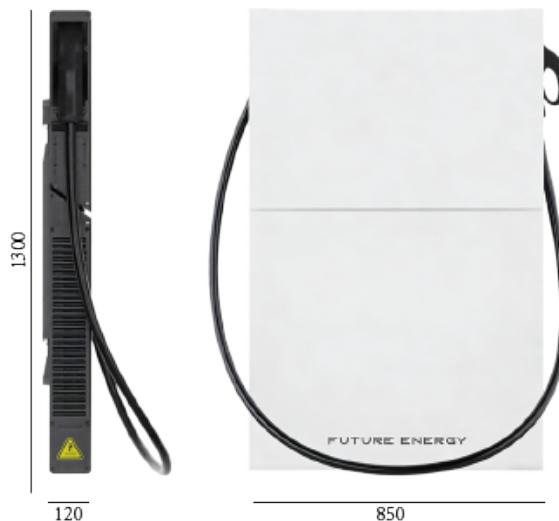
### Main features:

- Dual High-Power & Efficient Charging: 30kW/40kW modules (40kW/60kW output), nominal efficiency  $\geq 94\%$ , shortening charging time.
- Compact Design: Dimensions 1300mm×850mm×120mm, minimal floor space occupation.
- Easy Installation & Operation: No complex civil engineering; 2-second long press to start, brief press to shut down (auto-off after 2s).
- Full-Standard Compatibility: Complies with GBT 18487, ISO 15118, CHAdeMO 1.2/2.0, NACS, etc., strong versatility.
- Stable Operation: Optimized hardware, air-cooled heat dissipation, -30°C~75°C operating temperature, adapting to harsh conditions.
- Low Noise: Operating noise < 65db, suitable for commercial/office/public areas.
- Customizable Cable Length: 3.5m/5m/7m optional, improving charging convenience.
- Comprehensive Safety Protection: Over-voltage/under-voltage/over-current/short-circuit protection; input-output insulation  $> 2.5kV$ .
- Energy-Saving: Power factor  $> 0.98$ , reducing reactive power loss.

## Technology parameters:

Product Model	WZ15L-40kW	WZ15L- 60KW
Input Voltage	380VAC (3P+N+PE)    50Hz	
Output Voltage	200 - 750VDC	
Output Current (default)	125A	200A
Standard for Gun Muzzle	GBT / CCS1 / CCS2 / CHAdeMO / Tesla	
Charging Module	30KW	40KW
Efficiency	≥94% at nominal output power	
Power Factor	> 0.98	
Operating Temperature	-30°C to 75°C	
Altitude	< 3000m	
Working / Storage Humidity	≤ 95% RH / ≤ 99% RH (Non-condensing)	
AC Input Cable and Switch	3*16mm <sup>2</sup> +2*10mm <sup>2</sup> 1m 80A / 3*25mm <sup>2</sup> +2*16mm <sup>2</sup> 1m 125A	
Weight	50kg / 60kg	
Dimensions (L x D x H)	1300mm x 850mm x 120mm	
Installation	wall-mounted	
Startup Mode	Press and hold the power button for 2 seconds to power on.	
Shutdown Mode	Press the power button briefly to shut down after 2 seconds.	
Power Electronics Cooling	Air Cooled	
Standard	GBT 18487 & GBT 27930 / ISO 15118 / IEC 61851 / SAE J1772/ CHAdeMO1.2 & CHAdeMO 2.0 / NACS	
Charging Cable Length	3.5m / 5m / 7m (Optional)	
Noises	< 65db	
Ingress Protection	IP30	
Insulation (input - output)	> 2.5kV	
Electrical Safety	Over-voltage protection, under-voltage protection, over-current protection, short-circuit protection	

## Dimension:



## Product picture:



**Lightweight Wall-Mounted DC Charger**

## Main features:

- Dual Power & Efficient Charging: 20kW/30kW options, nominal efficiency  $\geq 94\%$ , meeting daily/short-distance charging needs.
- Compact Wall-Mounted Design: Slim size, lightweight, ideal for space-limited scenarios.
- Easy Installation & Operation: No complex construction; 2s long press to start, brief press to auto-shut down after 2s.
- Full-Standard Compatibility: Complies with GBT, ISO 15118, CHAdeMO 1.2/2.0, NACS, etc., no adapters needed.
- Reliable Operation: Optimized hardware, air-cooled heat dissipation, adapting to  $-30^{\circ}\text{C} \sim 75^{\circ}\text{C}$  harsh environments.
- Low Noise:  $< 65\text{db}$ , ensuring quiet charging in home/commercial scenarios.
- Customizable Cable: 3.5m/5m/7m optional, improving convenience.
- High Safety: Over-voltage/under-voltage/over-current/short-circuit protection; insulation  $> 2.5\text{kV}$ .

## Technology parameters:

Product Model	WZ15W-20kW	WZ15W-30kW
Input Voltage	380VAC (3P+N+PE), 50Hz	
Output Voltage	200-750VDC	
Output Current (default)	50A (37A for CHAdeMO)	80A
Gun Muzzle Standard	GBT/CCS1/CCS2/CHAdeMO/Tesla	
Charging Module	20kW	30kW
Efficiency	≥94% (nominal output)	
Power Factor	> 0.98	
Operating Temperature	-30°C to 75°C	
Altitude	< 3000m	
Humidity (Working/Storage)	≤95% RH / ≤99% RH (Non-condensing)	
AC Input Cable & Switch	36mm <sup>2</sup> +24mm <sup>2</sup> 1m 40A / 310mm <sup>2</sup> +26mm <sup>2</sup> 1m 63A	
Weight	25kg / 28kg	
Dimensions (L×D×H)	600mm×470mm×100mm	
Installation	Wall-mounted	
Startup/Shutdown Mode	2s long press to start; brief press (auto-off after 2s)	
Cooling	Air Cooled	
Charging Cable Length	3.5m/5m/7m (Optional)	
Noise	< 65db	
Ingress Protection	IP30	
Insulation (Input-Output)	> 2.5kV	
Electrical Safety	Over-voltage/under-voltage/over-current/short-circuit protection	

## Dimension:



## Product picture:



**Wall-Mounted Commercial DC Charger**

## Main features:

- OTA Remote Upgrade: Remote protocol updates and vulnerability fixes without on-site operation.
- Intelligent Charging Management: Adjusts current/power based on grid load and BMS feedback, avoiding overload.
- Remote Fault Diagnosis: Background query and restart via OCPP 1.6J, reducing on-site maintenance.
- Configurable Power: 10kW~40kW adjustable, adapting to grid capacity and scenario needs.
- OCPP 1.6J Compatibility: Seamless connection to mainstream operation platforms for order and equipment management.
- Optional Payment Methods: RFID (ISO/IEC 14443A/B) and credit card reader for membership/temporary users.
- Easy Maintenance: FRU diagnostics and modular design, reducing downtime.
- High Protection & Wide Temperature: IP54/IK10 protection, -30°C~80°C adaptability for harsh commercial environments.
- 7-Inch Touch Screen: Intuitive operation for charging control and parameter query.

## Technology parameters:

Product Number	WZ17W-20kW	WZ17W-30kW	WZ17W-40kW
Input Voltage	400VAC/480VAC (3P+N+PE), 50/60Hz		
Output Voltage	200-1000VDC		
Max Current	50A	80A	125A
Parallel Charge Mode (Optional)	1*30kW per Port		
Efficiency	≥94% (nominal output)		
Power Factor	> 0.98		
Operating Temperature	-30°C to 80°C		
Altitude	< 2000m		
AC Input Cable & Switch	310mm <sup>2</sup> +26mm <sup>2</sup> , 63A		
Display	7" LCD touch screen (internal installation)		
Ingress Protection	IP54/IK10		
Dimensions (L×D×H)	570mm×470mm×210mm (20/30kW); 570mm×570mm×210mm (40kW)		
Cooling	Air Cooled		
Weight	40kg		
Insulation (Input-Output)	> 2.5kV		
Charging Protocol	Mode 4 - IEC-61851, ISO-15118, DIN 70121		
Cable Length	3m		
Communication Protocol	OCPP 1.6J		
Communication	Standard Ethernet / 3G/4G Router		
Electrical Safety	Over-voltage/under-voltage/over-current/short-circuit/temperature protection; emergency stop		

## Dimension:



## Product picture:



## Mobile energy storage charger

### Main features:

- Multi-Spec Customization: 33.3kWh/60kWh energy storage + 30kW/60kW power combinations, adapting to diverse demands and budgets.
- Storage-Charging Synergy: Stores off-peak electricity for peak use, balancing grid load and cutting costs.
- Single/Dual-Gun & High Compatibility: Configurable guns, 100A GBT single-gun output, compatible with CCS1/CCS2/CHAdeMO/GBT vehicles.
- Configurable Power: Adjusts based on grid load and battery status, optimizing efficiency.
- Diversified Payment: Standard RFID + optional credit card reader, meeting member/temporary user needs.
- OCPP 1.6J Intelligent Management: Connects to mainstream platforms for remote monitoring, order settlement, and fault alarms.
- Easy Maintenance: FRU diagnostics locates faults quickly, modular design reduces downtime.
- Comprehensive Safety: GFCI leakage, 20kA surge, over-voltage/under-voltage/over-current protection + temperature sensors.
- High Protection: IP54 dustproof/waterproof + IK10 impact resistance, suitable for harsh outdoor environments.

## Technology parameters:

Product Number	WZ18-33.3/30	WZ18-60/30	WZ18-60/60
Input	DC 200-850V		
Output Voltage	200-1000VDC		
Output Current	0-100		0-200A
Connectors	CCS1/CCS2/CHAdeMO/GBT (Single/Dual-gun)		
Rated battery capacity	33.3kwh	60kwh	
Single-Gun Current (GBT)	100A		200A
Rated Power	30kW	30kW	60kW
Efficiency	≥94% (nominal output)		
Power Factor	> 0.98		
Operating Temperature	-30°C to 55°C		
Altitude	< 2000m		
Humidity (Working/Storage)	≤95% RH / ≤99% RH (Non-condensing)		
Display	7" LCD touch screen		
Dimensions (L×D×H)	1030mm×1021mm×1761mm		
Protection	IP54/IK10		
Cooling	Air Cooled		
Weight	690kg	790kg	820kg
Insulation (Input-Output)	> 2.5kV		
Charging Protocols	IEC-61851, ISO-15118, CHAdeMO 2.0, GB/T 18487-2023, etc.		
Cable Length	5m		
Communication Protocol	OCPP 1.6J		
Electrical Safety	GFCI, surge, over-voltage/under-voltage/over-current/short-circuit protection; emergency stop		

## Dimension:



## Product picture:



## Vehicle-to-Vehicle DC Charger

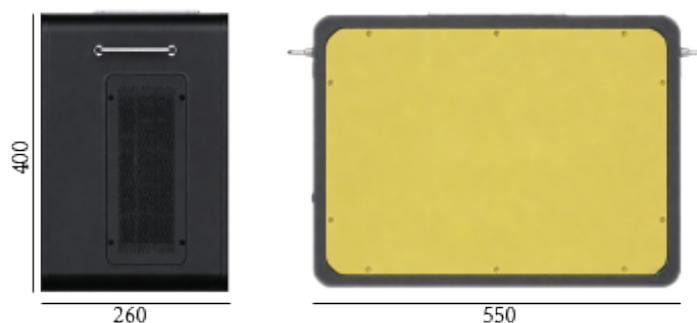
### Main features:

- Vehicle-to-Vehicle Direct Charging: Rapid energy transmission for power-off vehicles, timely rescue.
- Full Multi-Standard Compatibility: Covers global mainstream protocols, compatible with most new energy vehicle brands.
- Ultra-Portable: Lightweight (< 40kg) and compact, easy to carry and store.
- Customizable Cable Length: 2.5m/3.5m/5m optional, improving operational convenience.
- High-Efficiency Conversion: Full-load efficiency > 95.5%, low energy loss.
- Long Battery Life: Built-in battery lasts over 20 hours, auto-charging during use with 12.6V charger.
- Simple Operation: 7-inch display, one-click startup, no professional technical background required.

## Technology parameters:

Category	Data Parameters
Working Environment	Working temperature: -40°C~+75°C; Cooling: Air cooling; Altitude: ≤5000m
Charging Input	Voltage/current: 260Vdc~900Vdc; 0.2~34A; Connector: CCS1/CCS2/GBT/CHAdeMO/Tesla (Optional)
Charging Output	Rated power: 20kW; Voltage/current: 50Vdc~750Vdc; 0.2~50A; Stabilization accuracy: Voltage ≤±0.5%, Current ≤±1% (20%~100% load); Connector: Same as input (Optional)
Safety Protection	Input over/under voltage, output overvoltage, overcurrent, short circuit, over temperature protection
Startup Method	One-click on 7-inch display
Internal Battery	> 20 hours battery life, auto-charging; 12.6V portable charger included
Size	Shell: 550mm×260mm×400mm; Packaging: 650mm×360mm×750mm
Weight	Net weight <40kg; Gross weight <42kg
Protection Level	IP43
Cable Length	2.5m/3.5m/5m (Optional)

## Dimension:



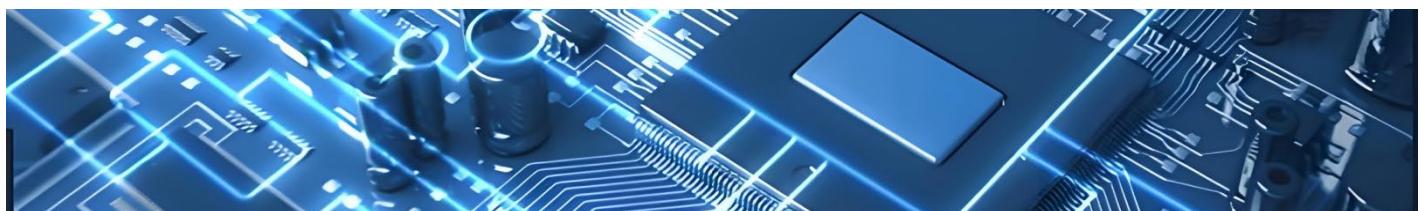
## Product picture:



## Inverter for Electric vehicle

### Technology parameters:

Product Number	WZ-V2L-5kW	WZ-V2L-7.5kW
Input voltage	DC 320-420V	
Input current	16A	24A
Output Voltage	AC 230V 50Hz	
Output current	0~23A	0~34A
Max power	5kW	7.5kW
Connector	GBT/CCS1/NACS(Tesla)	
Connector number	1	
Efficiency	≥90% at nominal output power	
Operating temperature	-20°C to 55°C	
Altitude	< 2000m	
Working    Storage Humidity	≤ 95% RH (Non-condensing)	
Ingress Protection	IP20	
Power Electronics Cooling	Air Cooled	
Protection	Over-temperature protection, Anti-reverse polarity protection, Short-circuit protection, Leakage protection, Overload protection, Overcurrent protection, Insulation protection, etc.	



### Field service operation and warranty issues:

ROCKWILL® can provide competent, well trained field service representatives to provide technical guidance and advisory assistance for the installation, overhaul, repair and maintenance of ROCKWILL® equipment, processes and systems.

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