

WZ-SERIES Better DC charging 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.

If you have any question please consult below:

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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.

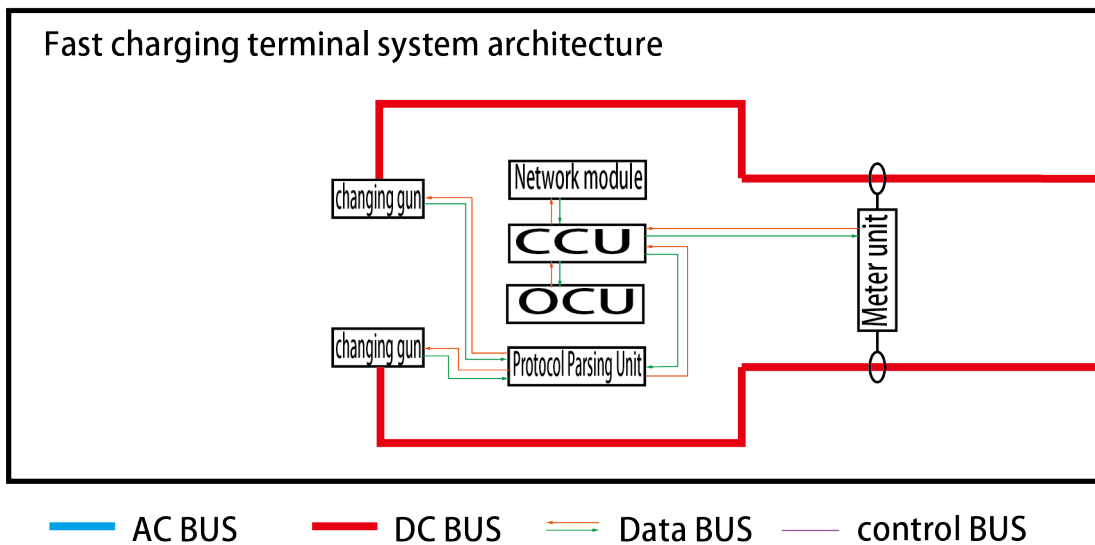
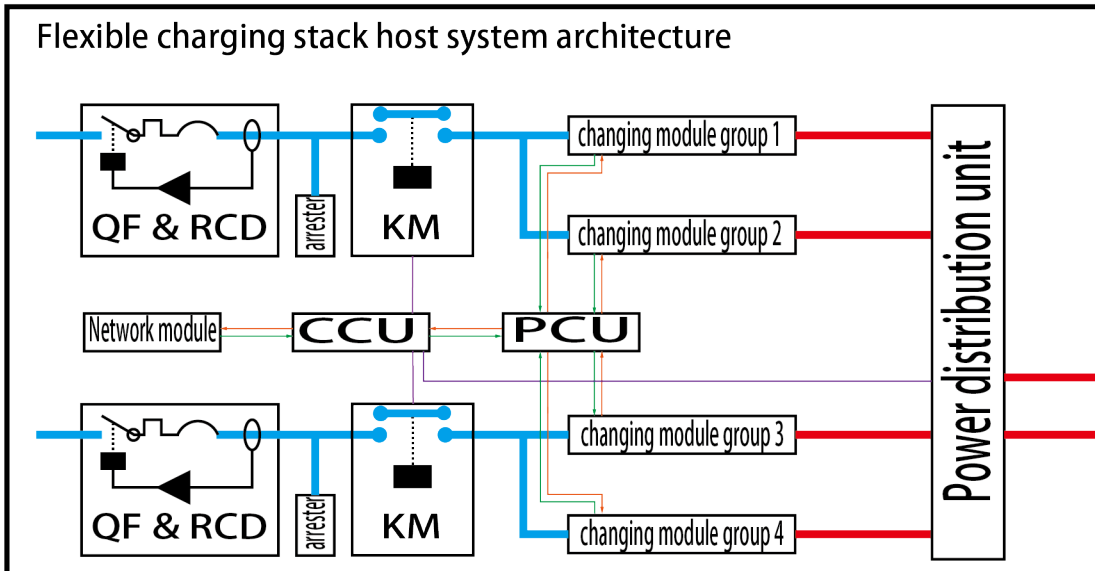
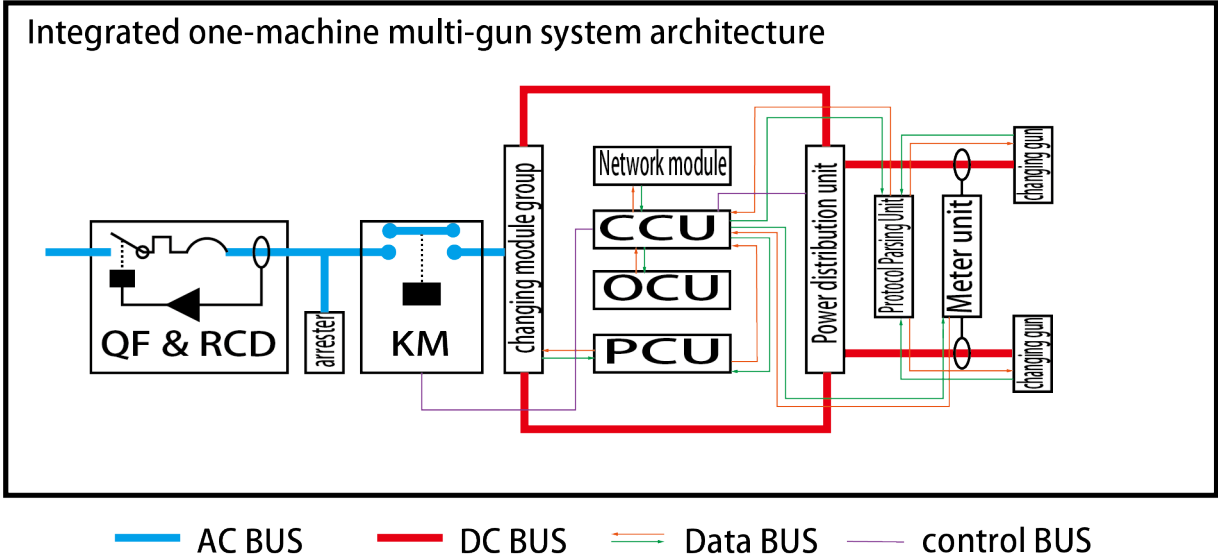
The software aspect includes EMS (Energy Management System) and the charging and discharging management system for charging piles. The charging and discharging management system of the charging pile is responsible for monitoring the charging process, including communication with the vehicle, and adjusting 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:



DC EV changer

Main features:

State Grid standard cabinet, the whole machine is more compact and lightweight. The main body adopts a color block design, presenting a more simple and youthful style. Standard 60kW, expandable to 80kW.

Technology parameters:

Product Number	WZ05-60kW	WZ05-80kW
Input	275-490VAC (3P+N+PE) 50/60Hz	
Output Voltage	200 - 1000VDC	
Output current	200A MAX	
Max power	60KW	80KW
Connector	GBT/CCS2/CHAdeMO/CCS1/NACS(Tesla)	
Connector number	2	
Efficiency	≥94% at nominal output power	
Operating temperature	-30°C to 55°C	
Altitude	< 2000m	
Working Storage Humidity	≤ 95% RH (Non-condensing)	
Display	7" LCD with touch screen	
Ingress Protection	IP54	
Power Electronics Cooling	Air Cooled	
Insulation (input - output)	> 2.5kV	
Communication	Ethernet – Standard 3G/4G Modem (Optional)	
Electrical Safety: GFCI	RCD 30 mA Type A	
Electrical Safety: Surge Protection	20 kA	
Protection	Over voltage protection, lightning protection, overcurrent protection, leakage protection, waterproof protection, etc.	

Size:

Product picture:**DC EV charger****Main features:**

Self-developed brand-new appearance, soft lines can adapt to a variety of color schemes, to maximize the customer's customized appearance needs. Standard with 8 20kw module positions; using 30KW module can be expanded to 240KW.

Technology parameters

Product Number	WZ06-120kW	WZ06-160kW	WZ06-180kW	WZ06-200kW	WZ06-240kW
Input	275-490VAC (3P+N+PE) 50/60Hz				
Output Voltage	200 - 1000VDC				
Output current	250A MAX				
Max power	120KW	160kW	180kW	200KW	240KW
Connector	GBT/CCS2/CHAdcMO/CCS1/NACS(Tesla)				
Connector number	2				
Efficiency	≥94% at nominal output power				
Operating temperature	-30°C to 55°C				
Altitude	< 2000m				
Working Storage Humidity	≤ 95% RH (Non-condensing)				
Display	7" LCD with touch screen				
Ingress Protection	IP54				
Power Electronics Cooling	Air Cooled				
Insulation (input - output)	> 2.5kV				
Communication	Ethernet – Standard 3G/4G Modem (Optional)				
Electrical Safety: GFCI	RCD 30 mA Type A				
Electrical Safety: Surge Protection	20 kA				
Protection	Over voltage protection, lightning protection, overcurrent protection, leakage protection, waterproof protection, etc.				

Size:



Product picture:



DC EV charger

Main features:

The cabinet meets the customized requirements of the State grid. The screen part adopts integrated design, and the depth of 600mm is more stable. It has 8 standard modules and can be expanded up to 320kW.

Technology parameters:

Product Number	WZ07-120kW	WZ07-160kW	WZ07-180kW	WZ07-200kW	WZ07-240kW
Input	275-490VAC (3P+N+PE) 50/60Hz				
Output Voltage	200 - 1000VDC				
Output current	250A MAX				
Max power	120KW	160kW	180kW	200KW	240KW
Connector	GBT/CCS2/CHAdcMO/CCS1/NACS(Tesla)				
Connector number	2				
Efficiency	≥94% at nominal output power				
Operating temperature	-30°C to 55°C				
Altitude	< 2000m				
Working Storage Humidity	≤ 95% RH (Non-condensing)				
Display	7" LCD with touch screen				
Ingress Protection	IP54				
Power Electronics Cooling	Air Cooled				
Insulation (input - output)	> 2.5kV				
Communication	Ethernet – Standard 3G/4G Modem (Optional)				
Electrical Safety: GFCI	RCD 30 mA Type A				
Electrical Safety: Surge Protection	20 kA				
Protection	Over voltage protection, lightning protection, overcurrent protection, leakage protection, waterproof protection, etc.				

Size:

Product picture:



DC EV changer

Main features:

The cabinet meets the customized requirements of the State grid. The screen part adopts integrated design, and the depth of 600mm is more stable. It has 8 standard modules and can be expanded up to 320kW.

Technology parameters:

Product Number	WZ08-60kW	WZ08-80kW	WZ08-120kW	WZ08-160kW	WZ08-240kW	WZ08-320kW
Input	275-490VAC (3P+N+PE) 50/60Hz					
Output Voltage	200 - 1000VDC					
Output current	200A			250A		
Max power	60KW	80KW	120KW	160KW	240KW	320KW
Connector	GBT/CCS2/CHAdeMO/CCS1/NACS(Tesla)					
Connector number	2					
Efficiency	≥94% at nominal output power					
Operating temperature	-30°C to 55°C					
Altitude	< 2000m					
Working Storage Humidity	≤ 95% RH (Non-condensing)					
Display	7" LCD with touch screen					
Ingress Protection	IP54					
Power Electronics Cooling	Air Cooled					
Insulation (input - output)	> 2.5kV					
Communication	Ethernet – Standard 3G/4G Modem (Optional)					
Electrical Safety: GFCI	RCD 30 mA Type A					
Electrical Safety: Surge Protection	20 kA					
Protection	Over voltage protection, lightning protection, overcurrent protection, leakage protection, waterproof protection, etc.					

Size:



Product picture:



DC EV charger

Main features:

This charger adopts a 3 guns design, with more modules and a wider range of application scenarios, which can meet more usage scenarios and is very suitable for areas with dense charging demand.

Technology parameters:

Product Number	WZ09-120kW	WZ09-160kW	WZ09-180kW	WZ09-200kW	WZ09-240kW
Input	275-490VAC (3P+N+PE) 50/60Hz				
Output Voltage	200 - 1000VDC				
Output current	250A MAX				
Max power	120KW	160kW	180kW	200KW	240KW
Connector	GBT/CCS2/CHAdcMO/CCS1/NACS(Tesla)				
Connector number	3				
Efficiency	≥94% at nominal output power				
Operating temperature	-30°C to 55°C				
Altitude	< 2000m				
Working Storage Humidity	≤ 95% RH (Non-condensing)				
Display	7" LCD with touch screen				
Ingress Protection	IP54				
Power Electronics Cooling	Air Cooled				
Insulation (input - output)	> 2.5kV				
Communication	Ethernet – Standard 3G/4G Modem (Optional)				
Electrical Safety: GFCI	RCD 30 mA Type A				
Electrical Safety: Surge Protection	20 kA				
Protection	Over voltage protection, lightning protection, overcurrent protection, leakage protection, waterproof protection, etc.				

Size:

Product picture:



DC EV charger

Main features:

This charging station adopts a 4 guns design, with more modules and a wider range of application scenarios, which can meet more usage scenarios and is very suitable for areas with dense charging demand.

Technology parameters:

Product Number	WZ10-120kW	WZ10-160kW	WZ10-180kW	WZ10-200kW	WZ10-240kW
Input	275-490VAC (3P+N+PE) 50/60Hz				
Output Voltage	200 - 1000VDC				
Output current	250A MAX				
Max power	120KW	160kW	180kW	200KW	240KW
Connector	GBT/CCS2/CHAdeMO/CCS1/NACS(Tesla)				
Connector number	4				
Efficiency	≥94% at nominal output power				
Operating temperature	-30°C to 55°C				
Altitude	< 2000m				
Working Storage Humidity	≤ 95% RH (Non-condensing)				
Display	7" LCD with touch screen				
Ingress Protection	IP54				
Power Electronics Cooling	Air Cooled				
Insulation (input - output)	> 2.5kV				
Communication	Ethernet – Standard 3G/4G Modem (Optional)				
Electrical Safety: GFCI	RCD 30 mA Type A				
Electrical Safety: Surge Protection	20 kA				
Protection	Over voltage protection, lightning protection, overcurrent protection, leakage protection, waterproof protection, etc.				

Size:

Product picture:



Split DC EV charger

Main features

The rectifier cabinet can be configured with 12 single-gun charging terminals or 6 double-gun charging terminals, which can meet the charging needs of 12 vehicles at the same time. The charging terminal configuration is flexible and can be applied to various scenarios.

It is suitable for supporting automobile enterprises, commercial real estate, government enterprises, gas stations, public fast charging stations, etc. It can charge electric vehicles of various types and capacities, including passenger cars, buses, sanitation vehicles, heavy trucks, etc.

Technology parameters:

Mian cabinet

Product Number	WZ11Z-320kW	WZ11Z-480kW
Input	275-490VAC (3P+N+PE) 50/60Hz	
Output Voltage	200 - 1000VDC	
Output current	0-1050A	0-1600A
Max power	320kW	480kW
Parallel Charge Mode (Optional)	40 kW per Port	
Load ports number	8	12
Operating temperature	-30°C to 55°C	
Altitude	< 2000m	
Working Storage Humidity	≤ 95% RH (Non-condensing)	
Ingress Protection	IP54	
Power Electronics Cooling	Air Cooled	
Insulation (input - output)	> 2.5kV	
Communication	Ethernet – Standard 3G/4G Modem (Optional)	
Electrical Safety: GFCI	RCD 30 mA Type A	
Electrical Safety: Surge Protection	20 kA	
Protection	Over voltage protection, lightning protection, overcurrent protection, leakage protection, waterproof protection, etc.	

Size:



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Changing terminal

Product Number	WZ11T-600kW
Input	200 - 1000VDC
Output Voltage	200 - 1000VDC
Output current	0-600A
Max power	600KW
Connector	GBT/CCS2/CHAdcMO/CCS1/NACS(Tesla)
Connector number	1
Charging rate	5C
Operating temperature	-30°C to 55°C
Altitude	< 2000m
Working Storage Humidity	≤ 95% RH (Non-condensing)
Ingress Protection	IP54
Power Electronics Cooling	Liquid-cooling
Insulation (input - output)	> 2.5kV
Communication	Ethernet – Standard 3G/4G Modem (Optional)
Electrical Safety: GFCI	RCD 30 mA Type A
Electrical Safety: Surge Protection	20 kA
Protection	Over voltage protection, lightning protection, overcurrent protection, leakage protection, waterproof protection, etc.

Size:



Product picture:



Split DC EV charger

Main features

The rectifier cabinet can be configured with 12 single-gun charging terminals or 6 double-gun charging terminals, which can meet the charging needs of 12 vehicles at the same time. The charging terminal configuration is flexible and can be applied to various scenarios.

It is suitable for supporting automobile enterprises, commercial real estate, government enterprises, gas stations, public fast charging stations, etc. It can charge electric vehicles of various types and capacities, including passenger cars, buses, sanitation vehicles, heavy trucks, etc.

Technology parameters:

Mian cabinet

Product Number	WZ12Z-320kW	WZ12Z-480kW
Input	275-490VAC (3P+N+PE) 50/60Hz	
Output Voltage	200 - 1000VDC	
Output current	0-1050A	0-1600A
Max power	320kW	480kW
Parallel Charge Mode (Optional)	40 kW per Port	
Load ports number	8	12
Operating temperature	-30°C to 55°C	
Altitude	< 2000m	
Working Storage Humidity	≤ 95% RH (Non-condensing)	
Ingress Protection	IP54	
Power Electronics Cooling	Air Cooled	
Insulation (input - output)	> 2.5kV	
Communication	Ethernet – Standard 3G/4G Modem (Optional)	
Electrical Safety: GFCI	RCD 30 mA Type A	
Electrical Safety: Surge Protection	20 kA	
Protection	Over voltage protection, lightning protection, overcurrent protection, leakage protection, waterproof protection, etc.	

Size:



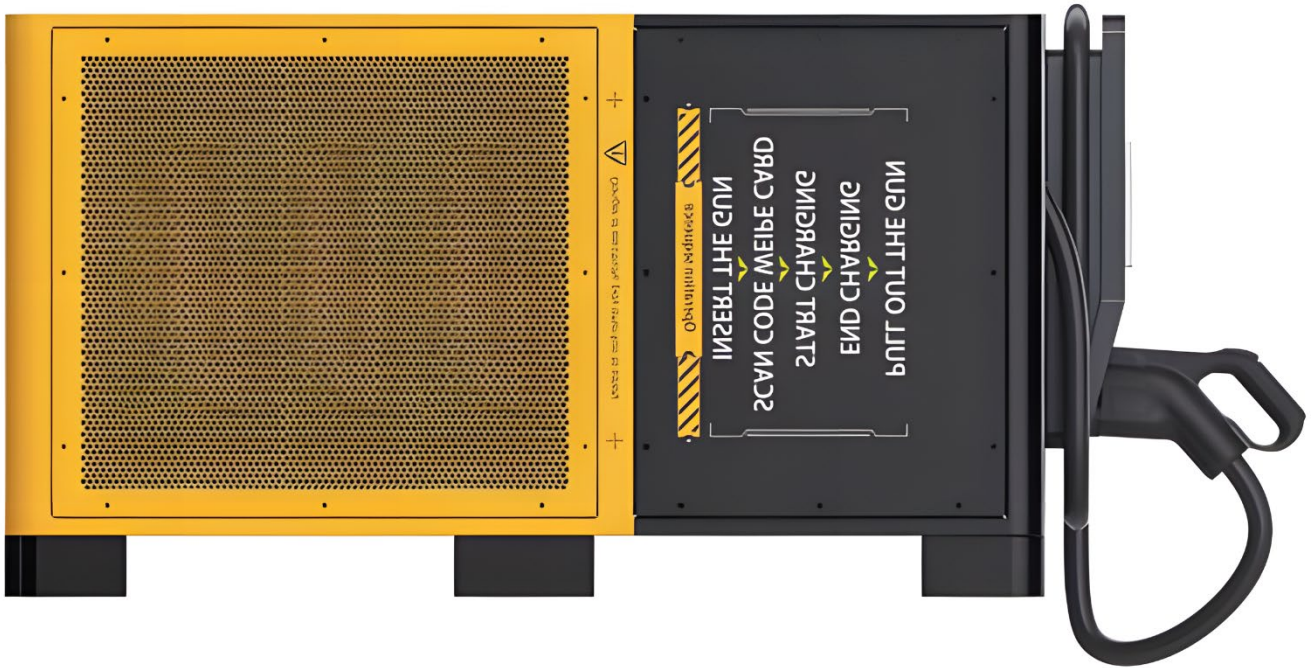
Changing terminal

Product Number	WZ12T-250kW
Input	200 - 1000VDC
Output Voltage	200 - 1000VDC
Output current	0-250A
Max power	250KW
Connector	GBT/CCS2/CHAdemo/CCS1/NACS(Tesla)
Connector number	2
Charging rate	2C
Operating temperature	-30°C to 55°C
Altitude	< 2000m
Working Storage Humidity	≤ 95% RH (Non-condensing)
Ingress Protection	IP54
Power Electronics Cooling	Liquid-cooling
Insulation (input - output)	> 2.5kV
Communication	Ethernet – Standard 3G/4G Modem (Optional)
Electrical Safety: GFCI	RCD 30 mA Type A
Electrical Safety: Surge Protection	20 kA
Protection	Over voltage protection, lightning protection, overcurrent protection, leakage protection, waterproof protection, etc.

Size:



Product picture:



DC/DC EV charger(mobile)

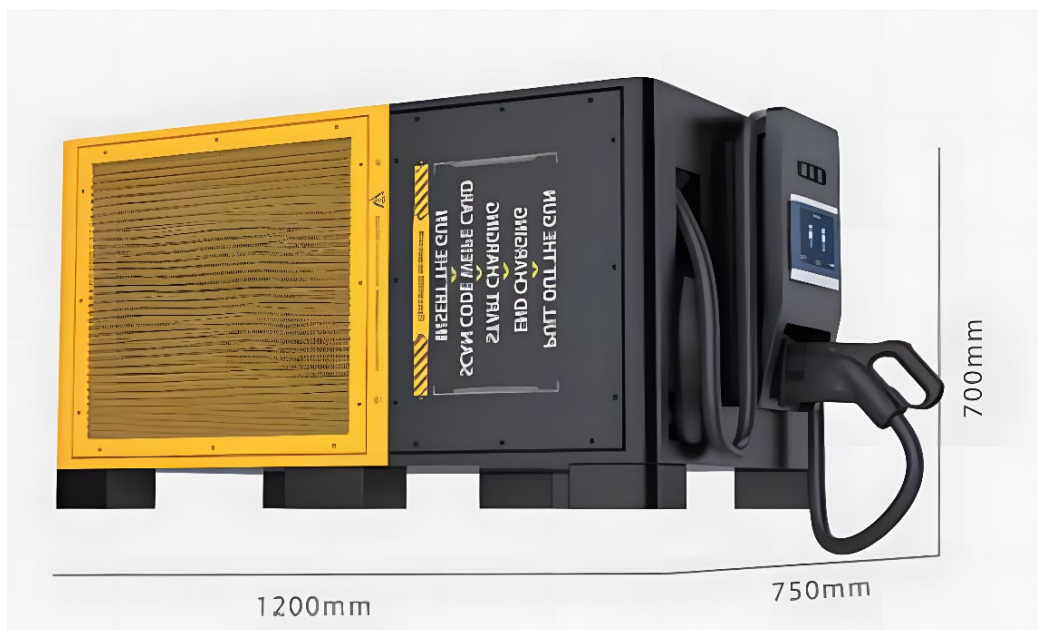
Main features:

This charging station is a brand new independently designed spectator, with bold color schemes that better cater to the personalized and differentiated aesthetics of young people, supporting customers' customized needs. Standard 60kW, expandable to 240kW.

Technology parameters:

Product Number	WZ13-60kW	WZ13-120kW	WZ13-180kW	WZ13-240kW
Input	Rated: 750VDC Wide pressure range: 200-850VDC			
Output Voltage	200 - 1000VDC			
Output current	200A MAX	250A MAX		
Max power	60KW	120KW	180KW	240KW
Connector	GBT/CCS2/CHAdeMO/CCS1/NACS(Tesla)			
Connector number	1			
Efficiency	≥94% at nominal output power			
Operating temperature	-30°C to 55°C			
Altitude	< 2000m			
Working Storage Humidity	≤ 95% RH (Non-condensing)			
Display	7" LCD with touch screen			
Ingress Protection	IP54			
Power Electronics Cooling	Air Cooled			
Insulation (input - output)	> 2.5kV			
Communication	Ethernet – Standard 3G/4G Modem (Optional)			
Protection	Over voltage protection, lightning protection, overcurrent protection, leakage protection, waterproof protection, etc.			

Size:



Product picture:



Family DC EV charger

Main features:

This charger adopts a simple column design and occupies a very small area, which is very suitable for low-power charging scenarios with site restrictions and power distribution restrictions

Technology parameters:

Product Number	WZ14-20kW	WZ14-40kW
Input	275-490VAC (3P+N+PE) 50/60Hz	
Output Voltage	200 - 1000VDC	
Output current	125A MAX	
Max power	20KW	40KW
Connector	GBT/CCS2/CHAdeMO/CCS1/NACS(Tesla)	
Connector number	1	
Efficiency	≥94% at nominal output power	
Operating temperature	-30°C to 55°C	
Altitude	< 2000m	
Working Storage Humidity	≤ 95% RH (Non-condensing)	
Display	4.3" LCD with touch screen	
Ingress Protection	IP54	
Power Electronics Cooling	Air Cooled	
Insulation (input - output)	> 2.5kV	
Communication	Ethernet – Standard 3G/4G Modem (Optional)	
Electrical Safety: GFCI	RCD 30 mA Type A	
Electrical Safety: Surge Protection	20 kA	
Protection	Over voltage protection, lightning protection, overcurrent protection, leakage protection, waterproof protection, etc.	

Size:

Product picture:



Family DC EV charger

Main features:

This is a small wall mounted DC charger, simple and elegant, without any complicated details. The operation is very simple and suitable for use by all groups of people. 20kw and 30kw are optional for the module.

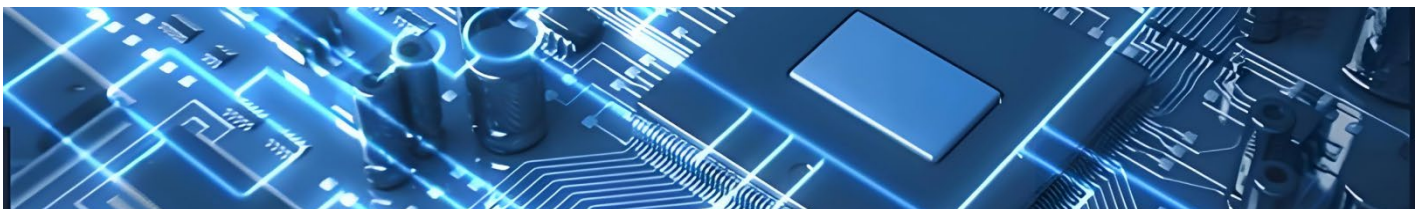
Technology parameters:

Product Number	WZ15-20kW	WZ15-30kW
Input	275-490VAC (3P+N+PE) 50/60Hz	
Output Voltage	200 - 1000VDC	
Output current	125A MAX	
Max power	20KW	30KW
Connector	GBT/CCS2/CHAdcMO/CCS1/NACS(Tesla)	
Connector number	1	
Efficiency	≥94% at nominal output power	
Operating temperature	-30°C to 55°C	
Altitude	< 2000m	
Working Storage Humidity	≤ 95% RH (Non-condensing)	
Ingress Protection	IP54	
Power Electronics Cooling	Air Cooled	
Insulation (input - output)	> 2.5kV	
Communication	Ethernet – Standard 3G/4G Modem (Optional)	
Protection	Over voltage protection, lightning protection, overcurrent protection, leakage protection, waterproof protection, etc.	

Size:

Product picture:**Inverter for EV****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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