亿昂新能源科技（苏州）有限公司

EON NEW ENERGY TECHNOLOGY（SUZHOU） CO.,LTD.



Company introduction





EON New Energy Technology (Suzhou) Co., Ltd. is a leading provider of new energy infrastructure solutions driven by technological innovation and focused on the full value chain of charging stations. Its products are backed by over 100 patents and include intelligent charging management systems, high-power charging stations, and integrated solar-storage-charging solutions. The company’ s operations span more than 20 countries and regions across Europe, Southeast Asia, South America, and Africa, providing mature solutions for public charging facilities, urban fast-charging stations, and community charging infrastructure. As a leader in the charging station industry, EON was the first to achieve multi-standard compatibility (supporting CCS, CHAdeMO, GB/T, and others). Its independently developed smart operations and maintenance platform enables real-time monitoring of equipment status, increasing fault response speed by 90%. Driven by both “technology and market,” EON has become a key force in advancing the energy transition. Looking ahead, EON will continue to strengthen its investment in charging technology R&D, accelerate its global business expansion, and strive to become “the leader in the new energy infrastructure sector.”

AC CHARGER 220V 7Kw(GB/T)

Product Advantages

Always online

Supports 4G, Wi-Fi and Ethernet triple communication modes, improving the online rate to 99% in underground parking lots and rural areas.

Ordered Charging

Supports intelligent power regulation, effectively manages charging equipment, and prevents grid overload.

Convenient Charging

Remote wake-up of the vehicle from sleep mode for charging is achievable via simulated charging gun operation, for greater charging convenience.

Extreme Adaptability

Equipped with 4000m altitude self-adaptation to deliver safe maximum output, andIP65 protection enables operation at -40°C, resisting harsh environments.

Efficient O&M

Adopts a remote precise positioning model to locate faults more accurately, enabling easy unattended operation.

Stable Connection Guarantee

Supports intelligent handshake identification and multi- layer communication verification, ensuring stable and uninterrupted charging links and eliminating abnormal power- off.

Product Parameters

project	Product Model	EON220/32-1
	Product Model	7KW AC Charger
Input Characteristics	Input Frequency	45~65Hz
	Input Voltage Range	220Vac±20%
Output Characteristics	Output Voltage Range	220Vac±20%
	Output Channels	Single Channel
	Maximum Output Current per Channel	32A
Functional Parameters	Networking Mode	Swipe card、Plug & Charge
	Startup Mode	Plug and Charge / Card Swipe Charging/Scan Code to Start
Basic Specifications	Protection Grade	IP65
	Operating Temperature	-40~55℃
	Operating Humidity	5%~95% RH (non-condensing)
	Altitude	≤4000m
	Installation Method	Wall-mounted/Pole-mounted
	Dimensions (WDH)	Wall-mounted:267mm*119mm*377mm
		Pole-mounted:280mm*220mm*1430mm
	Charging Cable Length	3.5m or 5m
Safety Protection	Protection Functions	Overvoltage & undervoltage protection, leakage protection, overcurrent protection, overtemperature protection, lightning protection, etc.



30/40KW DC CHARGER(GB/T)

Product Advantages

Safe Charging

- A full-process safety guard from plug-in to full charge, ensuring safe charging.
- Dual 85 X-capacitor failure early warning with exclusive patented technology, effectively avoiding fire risks.

High efficiency, low consumption

- Adopts SiC MOSFET devices with peak efficiency ≥ 96%.
- System standby power consumption ≤ 15W, reducing operating costs and increasing economic benefits.

Cloud management

- Supports self-diagnosis and remote OTA upgrade
- Supports remote fault location, reducing on-site maintenance costs and improving operational efficiency.

High Stability

- Equipped with G3 dustproof filter, replacement once a year, easy maintenance, ensuring hassle- free long- term use.
- 4G communication + Ethernet port, dual communication ensures higher stability.

Convenient Experience

- No activation required. Simply provide platform information when placing an order, and the device is ready for use upon power-on.
- The charging cable is lightweight, with weight reduced by 73%, making it easy to handle even for female users.

Forward-looking design

- Upgradeable to V2G in the future, reducing secondary investment costs.

Product Parameters

project	Product Model	EON1000/30-I	EON1000/40- I
	Product Model	30kW DC Integrated Machine	40kW DC Integrated Machine
Input characteristics	Input Frequency	45~65Hz	
	Input Voltage Range	380Vac±15	
	Output Voltage Range	≥0.99	
Output characteristics	Output Voltage Range	200~1000V	
	Constant Power Voltage Range	500~1000V	500~1000V
	DC Output Circuits	Single Channel	
	Maximum Output Current per Channel	80A	
Working environment	Peak Efficiency of the Whole Unit	≥96%	
	IP Rating	IP55	
	Operating Temperature	-30~65℃	
	Operating Humidity	5% ~ 95%, non-condensing	
	Altitude	≤5000m, derating above 2000m	
	Installation Method	Wall-mounted / Pole-mounted	
	Dimensions (WDH)	Wall-mounted:500mm*250mm*750mm	
		Pole-mounted:500mm*365mm*1551mm	
Safety protection	Protection Functions	Over/Under Input Voltage Protection, Over/Under Output Voltage Protection, Short Circuit Protection, Overcurrent Protection, Overtemperature Protection, Lightning Protection, etc.	



160KW DC CHARGER(GB/T)

Product Advantages

Intelligent Charging

- Automatically identifies single-gun independent charging or dual-gun parallel charging.
- VIN-based plug-and-charge with contactless payment.
- Equipped with SiC MOSFET modules, the peak efficiency exceeds 96.5%, featuring low impedance and high efficiency.
- Paired with an automatic system efficiency optimization strategy, the system always operates at peak efficiency.

Cloud management

- Supports remote control, self-diagnosis and OTA upgrades.
- Accurate data statistics and visualized revenue.
- Reduces offline operation and maintenance costs and improves operational efficiency.

Low noise and eco-friendly

- Both the system and modules feature precise fan speed control.
- Independent noise reduction design ensures low noise and environmental friendliness

Super Charging

- Maximum output of 400A per gun, meeting the demand for 400A high-current charging.
- Wide constant power output, compatible with all vehicle models.
- Automatically identifies vehicles complying with old and new national standards.
- Smaller size, higher power density.

High compatibility

- Modular design, flexible configuration according to needs, and convenient expansion. Supports hot swapping with power on for easy maintenance.
- If a single module fails, it will automatically exit without affecting the operation of other modules.

Stable and safe

- Equipped with G3 dustproof filter for easy maintenance.
- Self-developed CCU+MCU system architecture with module X-capacitor pre-warning mechanism.
- Monitors BMS insulation and charging process data in real time, and implements active protection for abnormal data.

Product Parameters

project	Product Model	EON1000/160Y-7
	Product Model	160kW DC Integrated Charger
Input Parameters	Input Frequency	45~65Hz
	Input Voltage	380Vac±15%
	Input Power Factor	≥0.99
Output Parameters	Output Voltage Range	200~1000Vdc
	Constant Power Voltage Range	300~1000Vdc
	Number Of DC Output Channels	Single/Double Channel
	Maximum Single-channel Output Current	250A
	Module Platform	40kW
Operating Environment	Peak Efficiency Of The Entire Unit	Peak efficiency>96.0%
	Levels Of Protection	IP54
	Working Temperature	-20 ℃ ~+65℃
	Working Humidity	5%~95%, no condensation
	Above Sea Level	≤2000m; above 2000m, output power must be reduced
	Device Dimensions (W*D*H)	750mm*450mm*1700mm
Safety Protection	Defencive Function	AC input over/undervoltage protection, DC output over/undervoltage protection, overload protection, short-circuit protection, surge protection, overtemperature protection, battery reverse connection protection, emergency stop protection, anti-reverse current protection, insulation detection protection, door opening protection, contactor stick protection, etc.



60/120/180KW DC CHARGER(GB/T)

Product Advantages

Ultra-high current

- Single gun delivers 300 A continuous output, while dual guns can be charged simultaneously up to 800 A.
- Supports dual-cabinet four-gun parallel charging with a maximum current of 1600 A, outperforming industry standards by 50%.

Ultimate experience

- Automatically identifies new and old national standard vehicle models, synchronizes charging station protocols, and maintains full compatibility with 100% of vehicle models.
- Automatically identifies dual or quadruple gun configurations without manual selection
- Supports VIN code/card recognition for quick startup

Enjoy peace of mind

- The self-developed full encapsulation module was adopted to ensure stable operation across the entire system.
- BMS messages are stored locally for precise accident cause localization
- Real-time monitoring of core components enables proactive risk avoidance, resulting in a 1.2% improvement in charging success rate; pioneered self-recovery functionality for shutdown buttons to reduce manual station access.

High efficiency and cost-saving

- The system efficiency reaches 96.4% at the same level or higher, outperforming the industry average by 1.4%, with annual electricity cost savings of thousands of yuan per single pile.
- The module is equipped with a built-in AC contactor and has a standby power consumption of 0W.
- Compatible with five-core aluminum cables, achieving 60%-80% material cost savings.

Product Parameters

Project	Product Model	EON1000/60Y-7	EON1000/120Y-7	EON1000/180Y-7
	Product Model	60kW DC Integrated Charger	120kW DC Integrated Charger	180kWDC Integrated Charger
Input Parameters	Input Frequency	45~65Hz		
	Input Voltage	380Vac±15%		
	Input Power Factor	≥0.99		
Output Parameters	Output Voltage Range	200~1000Vdc		
	Constant Power Voltage Range	300~1000Vdc		
	Number Of DC Output Channels	Single/Double Channel		
	Maximum Single-channel Output Current	200A	250A	250A
	Module Platform	60kW		
Operating Environment	Peak Efficiency Of The Entire Unit	Peak efficiency>96.0%		
	Levels Of Protection	IP54		
	Working Temperature	-20 ℃ ~+65℃		
	Working Humidity	5%~95%, no condensation		
	Above Sea Level	≤2000m; above 2000m, output power must be reduced		
	Device Dimensions (W*D*H)	600mm*350mm*1450mm		
Safety Protection	Defencive Function	AC input over/undervoltage protection, DC output over/undervoltage protection, overload protection, short-circuit protection, surge protection, overtemperature protection, battery reverse connection protection, emergency stop protection, anti-reverse current protection, insulation detection protection, door opening protection, contactor stick protection, etc.		



240/360/480KW DC CHARGER(GB/T)

Product Advantages

Ultra-high current

- Single gun delivers 300 A continuous output, while dual guns can be charged simultaneously up to 800 A.
- Supports dual-cabinet four-gun parallel charging with a maximum current of 1600 A, outperforming industry standards by 50%.

Ultimate experience

- Automatically identifies new and old national standard vehicle models, synchronizes charging station protocols, and maintains full compatibility with 100% of vehicle models.
- Automatically identifies dual or quadruple gun configurations without manual selection
- Supports VIN code/card recognition for quick startup

Enjoy peace of mind

- The self-developed full encapsulation module was adopted to ensure stable operation across the entire system.
- BMS messages are stored locally for precise accident cause localization
- Real-time monitoring of core components enables proactive risk avoidance, resulting in a 1.2% improvement in charging success rate; pioneered self-recovery functionality for shutdown buttons to reduce manual station access.

High efficiency and cost-saving

- The system efficiency reaches 96.4% at the same level or higher, outperforming the industry average by 1.4%, with annual electricity cost savings of thousands of yuan per single pile.
- The module is equipped with a built-in AC contactor and has a standby power consumption of 0W.
- Compatible with five-core aluminum cables, achieving 60%-80% material cost savings.

Product Parameters

project	product model	EON1000/240Y-7	EON1000/360Y-7	EON1000/480Y-7
	Product model	240kw DC integrated unit	360kw DC integrated unit	480kw DC integrated unit
Input parameter	Module Platform	60kw		
	Incoming Frequency	45~65hz		
	Input Voltage	380vac±15%		
	Input Power Factor	≥0.99		
Out parameter	Output Voltage Range	200~1000vdc		
	Constant Power Voltage Range	600~1000vdc		
	Number Of DC Output Channels	Twin channel		
	Single Gun Rated Current	250A		300A
Work environment	Peak Efficiency Of The Entire Unit	Peak efficiency ≥96.0%		
	Levels Of Protection	IP54		
	Working Temperature	-30 ℃ ~+65℃		
	Working Humidity	5%~95%, no condensation		
	Above Sea Level	≤2000m; above 2000m, output power must be reduced		
	Device Dimensions (W*D*H)	600mm*550mm*1600mm		
Safe guarding	Defencive Function	Input over/under voltage protection, output over/under voltage protection, short circuit protection, overcurrent protection, overtemperature protection, and lightning protection		



120/160/200/240/320/400KW DC CHARGER(CCS2)

EON 120~400 kW Integrated DC Charger- CE

Product Profile

EON120KW-400KW Integrated Charger is an integrated solution, power flexible distributed to two connectors simultaneously controlled by intelligent algorithm that realizes high-performance EV charging. It also supports high resolution large touchscreen and cable management system, allowing drivers to charge easier and safer.



Category	Item	Parameter
Input Characteristic	Input type	3P+N+PE
	Input voltage range	400[±10%)@50Hz
	THDi	<5%
	Power factor	0.99
	Power supply	TT/TN-S
Output Characteristic	Output voltage	CCS2:200-1000V
	Rated power	120/160/200/240/320/360/400kW
	Maximum current	350A@CCS2 [Boost 500A]
	Standby consumption	<100W
	Numbers of connectors	2
	Connector type	CCS2
	Peak efficiency	96%
Environment & Appearance	Operation temperature	-25-65℃ (Above 50C derating operation)
	Storage temperature	-30-70℃
	Humidity	5~95%,no condensation
	Altitude	≤2000m
Others	EV protocol	IS015118 DIN70121
	Backend protocol	OCPP1.6J,0CPP2.0.1
	Payment method	QR code/RFID/NFC/Credit card (optionall)
	Dimensions	W800*D650*H1700 mm
	Communication type	Ethernet/GSM,4G
	Display screen	7-inch
	Language	English/French/German/Turkish, etc.
	Protection level	IP54, IK10
	Protection type	Over/under voltage protection, Over current protection, Over temperature protection, Short-circuit protection, Reverse charging protection, Leakage protection, Surge protection, Emergency stop, etc.
	Cable management	Yes
	Weight	≤ 500kg
	Customized function	Tilt protection, Flood protection, Fire protection, Heater
	Standards	IEC61851/1EC62196/1EC61000
	Protection	Undervoltage protection, Overvoltage protection, DC Overcurrent protection, Over-temperature protection, Surge Protection Device, Emergency Stop Protection

Mobile Energy- Storage Charging Vehicle

EON 208kWh/90KW Mobile Energy- Storage Charging Vehicle
EON-MS-208/90-A

Product Profile

The TBEZ5- series Mobile Energy- Storage DC Charging Pile mainly consists of energy- storage batteries, PCS charge- discharge modules, DC charging piles, mobile trolley and overall system integration. The DC charging pile adopts a single- gun charging configuration, with a maximum charging power of 90 kW and a maximum charging current of 250 A for external vehicles to achieve safe fast charging.

The energy- storage battery pack is recharged via AC power, with a maximum AC recharging power of 60 kW. The system supports off- grid inverter AC output, delivering a maximum output power of 60 kW. The entire pile system adopts isolated conversion modules to guarantee power- utilization safety for the energy- storage unit, external vehicles and the power grid.

Human- oriented interface display and control- guidance functions enable customers to complete charging operations conveniently. A 4G communication interface is provided for external connection to maintain real- time communication with the monitoring center and operation- management center, realizing real- time monitoring of charging status.



Mobile Energy- Storage Charging Vehicle

EON-MS-208/90-A
Technical Specifications



Category	Item	Parameter
Battery System Parameters	Nominal Energy (kWh)	208
	Nominal Voltage (VDC)	665 (Operating Voltage: 582- 738 V)
	Rated Charge-Discharge Current (A)	160
	Rated Capacity (Ah)	314
	Rated Charge-Discharge Rate	0.5P
	Battery Type	Lithium Iron Phosphate
DC Output Specs	Charging Power	90KW
	Output Voltage Range (VDC)	200 ~ 1000V
	Output Current Range (A)	0 ~ 250 A
	Charging Operation Mode	QR-code, APP, Password
	Overall Charging Efficiency	≥93%
	Charging Cable Length	5 m
	Connector type	GB/T or CCS2
System Specs	Weight (kg)	2300
	Dimensions (mm)	2050×960×1850 (L×W×H)
	Operating Temperature	- 20℃ ~ 50℃
	Relative Humidity	≤95%RH, non-condensing
	Altitude	2000 m
	Ingress Protection Rating	IP54
	Noise Level	< 65 dB
	Cooling Method	Air-cooled
Chassis Specs	Control Mode	Remote control
	Drive Mode	Rear-wheel central motor drive, front- wheel steering
	Brake Mode	EPB Electronic Parking Brake
	Steering Mode	Front-wheel Ackermann steering
	Travel Speed	0 ~ 10 km/h
	Maximum Gradeability	20%
	Minimum Ground Clearance	180 mm
	Wading Depth	≤100 mm (water depth)
	Minimum Turning Radius	≤3.5 m

Successful Project Cases

Brazil São Paulo Urban Electric Bus Charging Depot

EON delivered high-power DC fast charging stations for Brazilian public bus depots. Equipped with intelligent charging scheduling and auxiliary BESS, the system solves grid peak load pressure, supports simultaneous charging for 40+ electric buses, reducing operational costs and failure rates significantly.Meanwhile, our chargers have been exported to Paraguay, Uruguay, Chile and other countries, with the total quantity exceeding 500 units, and they have won wide recognition among local new energy vehicle owners.



Mexico compact bus charging solutions

EON customized compact bus charging solutions for urban depots in Mexico. Featuring remote intelligent O&M and adaptive power distribution, the system fits limited station space, ensures stable operation and improves charging efficiency for urban public transport fleets.

So far, we have supplied charging equipment for 18 bus depots in Ensenada, with a total of 150 charging piles deployed.



Successful Project Cases

Africa Integrated Solar-Storage-Charging Energy Station

EON provides an integrated solar-storage-charging station solution for Africa’ s urban public transport scenarios. Addressing grid instability, high load shedding risk and heavy charging demand at bus depots, the solution integrates high-power DC fast charging, solar PV generation, BESS energy storage and an intelligent energy management platform.
To date, we have provided full charging station solutions and supporting equipment for dozens of projects in South Africa, Ethiopia, Angola, Algeria and other regions.



Tourist Bus Dedicated Charging Station, Phuket, Thailand

Customized for tourist bus fleets in Phuket, EON’ s depot charging station adopts 240kW integrated DC chargers with high continuous current output, fully compatible with all brands of electric tour buses. Solar PV canopy and battery storage make full use of abundant island sunlight to cut peak grid power costs. We have delivered complete charging systems to three major transport depots in Phuket, supporting simultaneous charging for hundreds of coaches.



Exclusive Ultra-Fast Charging Hub for Dubai Taxi Group

Aligned with Dubai Green Mobility Strategy 2030, EON built an exclusive ultra-fast charging hub for Dubai’ s major taxi fleet, equipped with 360kW high-power DC chargers that charge vehicles from 20% to 80% within 30 minutes to minimize taxi downtime. Enhanced dust-proof and heat dissipation design withstands 55℃ extreme heat and sandstorms with IP55 rating. The fleet management platform supports auto billing and off-peak charging scheduling to cut energy expenses.



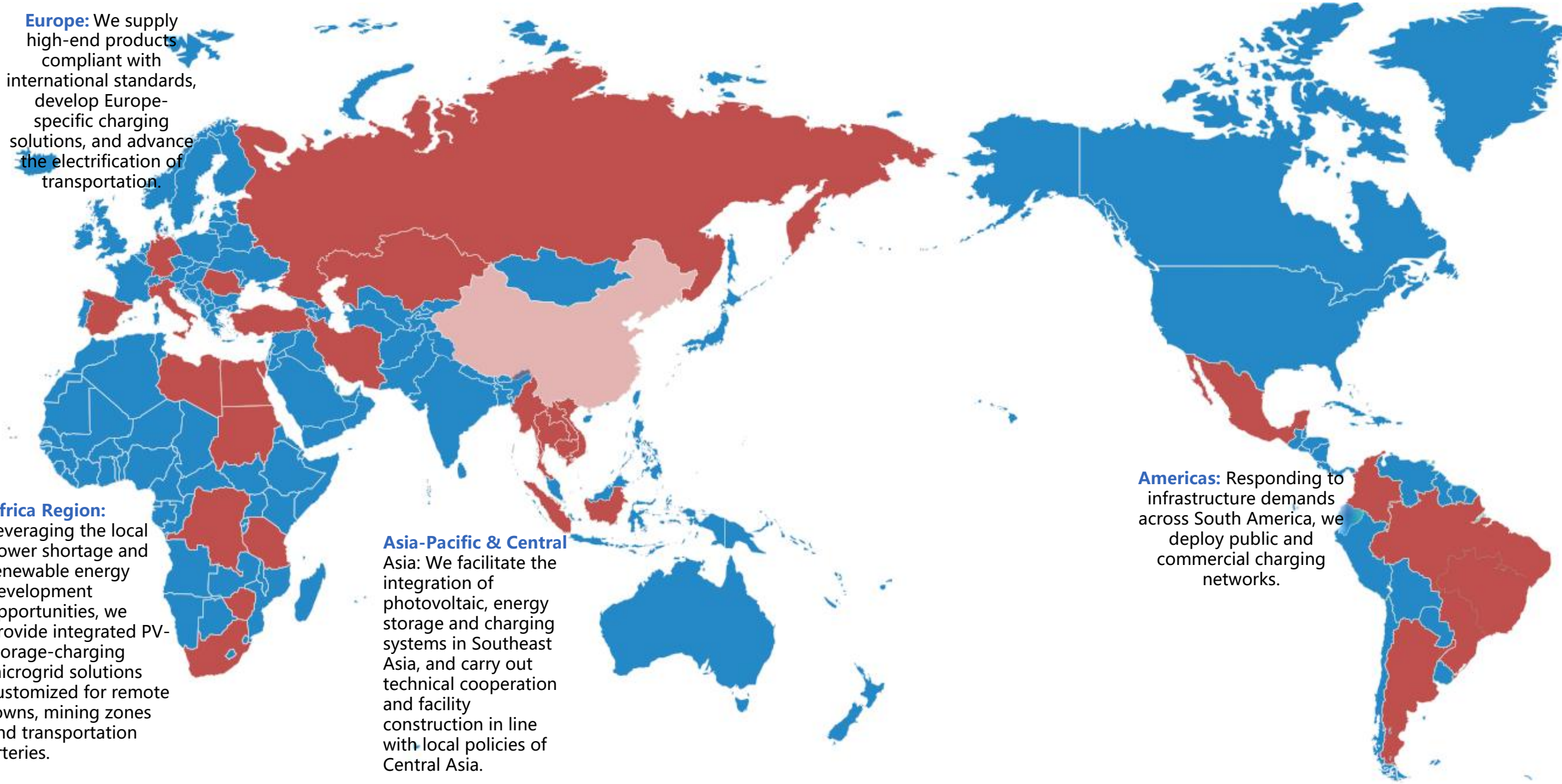
Solar-Storage-Charging Station in Tashkent Integrated Logistics Park

In response to Uzbekistan’ s national EV promotion policy, EON built a solar-storage-charging hub at a major logistics park in Tashkent, mixing 120kW and 240kW DC chargers for electric taxis and light cargo vans. Climate-adapted hardware withstands large temperature swings and heavy sand, with smart load management to stabilize park grid power. Localized multi-language O&M platform makes it a benchmark new energy infrastructure project in Central Asia.



Global Market Layout

Europe: We supply high-end products compliant with international standards, develop Europe-specific charging solutions, and advance the electrification of transportation.



Africa Region: Leveraging the local power shortage and renewable energy development opportunities, we provide integrated PV-storage-charging microgrid solutions customized for remote towns, mining zones and transportation arteries.

Asia-Pacific & Central Asia: We facilitate the integration of photovoltaic, energy storage and charging systems in Southeast Asia, and carry out technical cooperation and facility construction in line with local policies of Central Asia.

Americas: Responding to infrastructure demands across South America, we deploy public and commercial charging networks.

Eontech · Energize A Greener Future

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