

HALLO

Greatenergy wurde von einer Gruppe visionärer und innovativer Fachleute gegründet. Wir sind voll und ganz darauf bedacht, die höchste Qualität und Integrität der EV-Komponenten zu gewährleisten. Und mit einem äußerst vielseitigen Portfolio, einschließlich Kabelmontage, Ladestecker, Steckverbinder, EV-Ladegerät, etc. Unsere unerschütterliche Leidenschaft und Expertise, die intrinsischen Wert für unsere Kunden schaffen, haben uns seit mehr als 10 Jahren zu Erfolg geführt, und wir bleiben stark.

Wir halten uns strikt an Qualitätsstandards, von der Beschaffung der Rohmaterialien über den Produktionsprozess bis hin zur



ABOUT US

Greatenergy was founded by a group of visionary and innovative professionals. We are fully committed to ensure the highest quality and integrity of EV components. And with a highly versatile portfolio, including cable assembly, charger plug, connector, ev charger, etc. Our unwavering passion and expertise, adding intrinsic value to our clienteles, have driven us for more than 10 years of success, and going strong.

We strictly adhere to quality standards, from raw material procurement, production process, and final inspection. While obtained various serious tests for the quality management system certification, to ensure our products are in compliance to international standards and customer requirements.

We highly valued the bond between our clients, as we uphold the principal for streamline communication and honest operation, to the fundamental of our business philosophy and customer service. Building success to our customers, equivalent success to Greatenergy.

Business Service

Part of the Greatenergy portfolio, our EV components are modular in order to meet the increasing prevalence of EVs, you can customize the product to your specific requirements. With various cable exits directions available, these connectors adapt to your design, not the other way around.



We help find out the best approach and solutions for our customer and can then be further developed into various formats.













OUR PROMISE

At Greatenergy, quality isn't just a buzzword; it's ingrained in every fiber of the company's culture. From sourcing the finest raw materials to employing skilled artisans, every step of the production process is meticulously crafted to ensure that only the best reaches the hands of their customers.

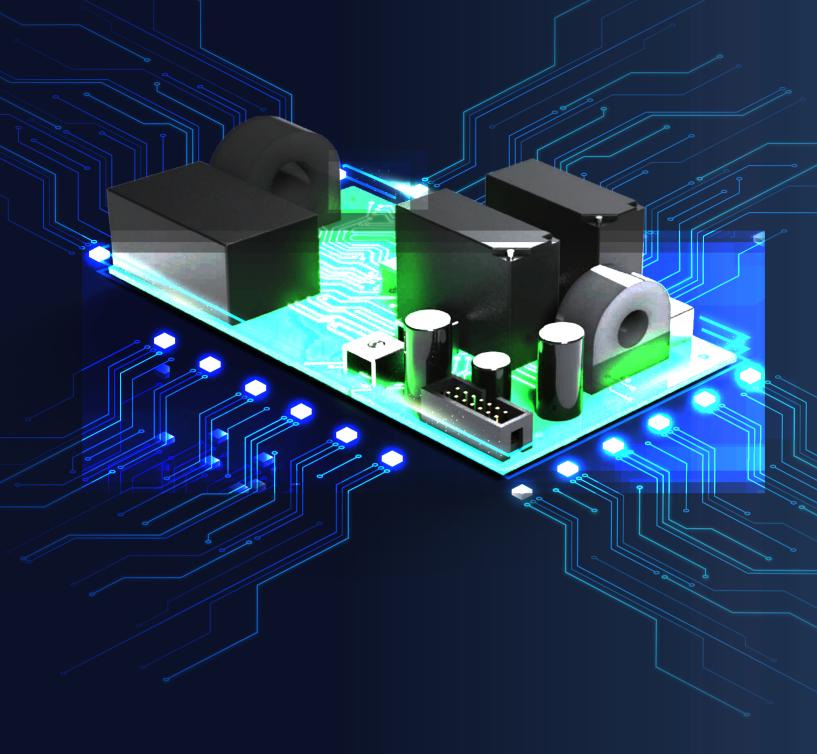
In the heart of their manufacturing facility, rows of engineers and technicians work tirelessly, testing and retesting each product to meet the highest standards. No detail is too small to escape their scrutiny, for they understand that it's the little things that make all the difference.



But Greatenergy's commitment to quality extends beyond the confines of its factory walls. The company's dedication to sustainability and environmental responsibility sets it apart in an industry often marred by shortcuts and disregard for the planet. From using renewable energy sources to reducing waste, Greatenergy strives to leave a positive impact on the world for generations to come.

Customers who choose
Greatenergy products aren't
just buying a product; they're
investing in a promise. A promise
of reliability, durability, and
uncompromising quality.
Whether it's lighting up homes,
offices, or entire communities,
Greatenergy's products shine
brightly, illuminating the path to
a brighter future.

In a world where shortcuts abound and mediocrity is often accepted, Greatenergy stands tall as a beacon of excellence. For them, quality isn't just a goal to achieve; it's a standard to uphold, a legacy to be proud of. And as long as there are lives to be illuminated, Greatenergy will continue to shine, one meticulously crafted product at a time.



Greatenergy's customized services can provide ideal solutions. Through our design, core technical ability, strong RD team, flexible manufacturing, quality control, and global service, to provide customers and partners with high-quality products.

We have deep plowed in various vertical markets and applications for over 10 years, including cable assemblies, connectors, and other E-mobilty components, etc., and have powerful thermal design know-how and patent expansion module technology, which can fulfill diverse customization demands.

You can work with our RD team to plan and develop new products or re-develop product specifications to improve performance or achieve cost savings.

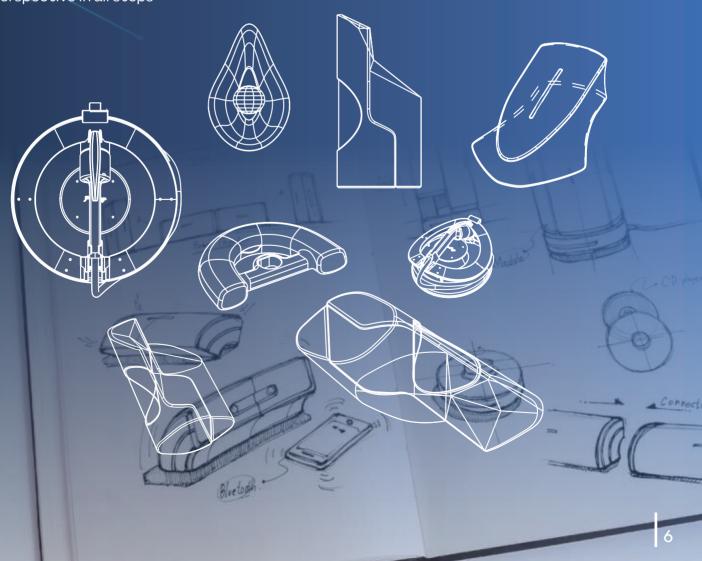
DESIGN SOLUTION

We can help you design and build DC chargers, AC chargers, charger plug, and wire assemblies, etc. The team is built with creative RD and designers, the customization to fit your business needs. Each person is selected for subject matter expertise and supposed to be a team player.

By understanding the users' needs, the design team allows to develop tailor made solutions by involving the human perspective in all steps

of the problem-solving process in case of the appearance and material selection.

Greatenergy develops solutions for integrating components, mounting, packaging, and prototyping, as well as specialized tooling for assembly or testing. We take pride in being easy to work with, delivering high quality solutions, and building valuable relationships with our clients.

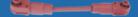


SOLAR ENERGY

Storage System

Solar power is available anywhere in the world in enormous quantities. With more and more homes coming with solar PV panels, we have completed the conversion to charging system in a relatively easy way.





ES Connector

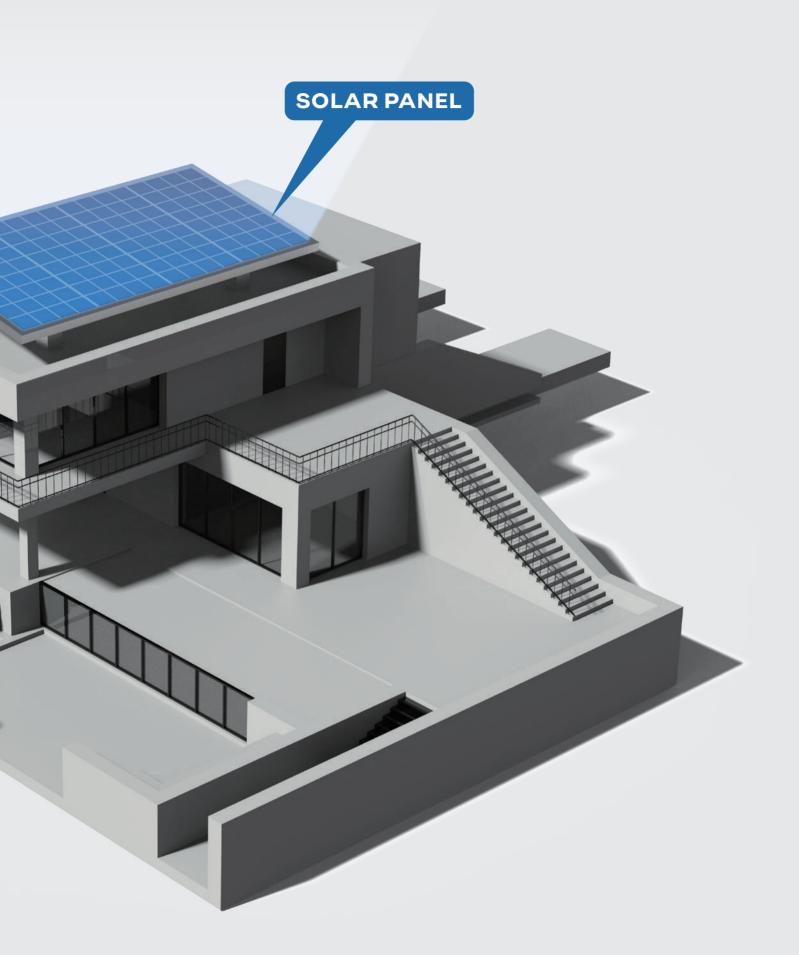
ES connectors are mainly used to connect battery modules of energy storage systems in series, making it safer for workers to install energy storage systems (ESS).



Busbar

Busbars provide a safe HV connection on shorter distances. Especially in the limited space, like storage bank or any other HV system.







The automobile wiring harness is the carrier of electric vehicle power transmission and signal transmission, which is very important for the driving of electric vehicles. Among the automotive wiring harnesses, automotive high-voltage wiring harnesses are the most critical.

And we provide all kinds of assemblies which is 100% customizable, to meet the various demand in different fields, such as Heavy indistries, Aerospace, EV-car, marine and etc.





GREEN ENERGY





EDGE SERIES

Edge series have a highly wide-range portfolio, including IEC 62196 and SAE J1772 plugs and connectors. By creating a sleek and stylish design which establish a strong identity of Greatenergy's DNA. This is the ideal solution that is impeccably suited for commercial, fleet, and large residential uses.

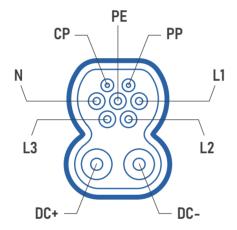


CCS2 (DC)

IEC-62196-3(Female)

Rated voltage 1000V Withstand voltage 3000V Rated current 200A Connection CCS2

Dimension (W/H/D) 314 / 163.6 / 72 mm













Ergonomics Design

CCS2 is the European standard plug and socket type used for connecting EV-vehicles to a DC rapid charger.

It consists of a nine-pin input that's split into two sections; the upper, seven-pin section is also the same as Type 2 plug. With the two larger, lower pins on the plug enable the Direct Current connection that forces more electricity into your batteries in less time.

Material				
Conductor	Copper alloy Sliver plating (Surface)	Cap	Rubber	
Housing	Thermoplastic	Cable length	5m	
Working Environm	Working Environment			
Fire rating (Housing)	UL94 V-0	Operating temperature	-30°C~+50°C	
Insulation resistance	>100mΩ (DC1000V)	Contact Resistance	0.5mΩ Max.	
Product plug force	<100N	Altitude	<2000m	





Key Features	Greatenergy		Others
Connector Replacement (Easy to construct or cost reduction of head replacement)	Yes		No
Shipment Costs (Allows more quantity to be stored in same space)	Low		High
Time Costs (Reduce downtime or shortening the replacement work time)	Less		Simple project: 6-8hrs Complex engineering: 2D or more
Maintenance Senario QUICK SAFE EASY Greater	nergy	EXPENSIVE BULKY TARDY	others
Only have to remove the damage of reinstall a new one instead			on need to be changed, the maintan- e longer and much more complicated



TYPE 2 (AC)

IEC 62196-2 (Male)

Rated voltage 250 / 480V
Withstand voltage 2000V
Rated current 16 / 32 / 63A
Connection TYPE 2

Dimension (W/H/D) 247 / 114 / 66 mm



TYPE 2 (AC)

IEC 62196-2 (Female)

Rated voltage 250 / 480V
Withstand voltage 2000V
Rated current 16 / 32 / 63A
Connection TYPE 2

Dimension (W/H/D) 238 / 125 / 72 mm













Modern design

A Type 2 connector has 7 pins, can carry three-phase power and is widely used for electric cars across the EU. This connector comes with an in-built locking mechanism, so no one can easily remove or tamper with your charging cable without your permission.



Material			
Conductor	Copper alloy Sliver plating (Surface)	Cap	Rubber
Housing	Thermoplastic	Cable length	5m
Working Environment			
Fire rating (Housing)	UL94 V-0	Operating temperature	-30°C∼+50°C
Insulation resistance	>1000mΩ (DC500V)	Contact Resistance	0.5mΩ Max.
Product plug force	<80N	Altitude	<2000m





CCS1 (DC)

SAE J1772 (Female)

Rated voltage 1000V Withstand voltage 3000V

Rated current 80 / 150 / 200A

Connection CCS1

Dimension (W/H/D) 281.7 / 178.8 / 72 mm



NACS (AC / DC)

SAE J3400 (Female)

Rated voltage 240VAC / 1000VDC

Withstand voltage 2000V Rated current 32 / 50 /80A

Connection NACS

Dimension (W/H/D) 205 / 51 / 47 mm











Modern design

CCS1 connector has 7 pins, can carry three-phase power and is widely used for electric cars across the North America and some central Asia. Thus, it will remain the predominant standard for non-Tesla EVs and EV charging networks in North America (U.S. and Canada).



Material				
Conductor	Copper alloy Sliver plating (Surface)	Cap	Rubber	
Housing	Thermoplastic	Cable length	5m	
Working Environment				
Fire rating (Housing)	UL94 V-0	Operating temperature	-30°C~+50°C	
Insulation resistance	>100mΩ (DC1000V)	Terminal Resistance	<2Ω	
Product plug force	<100N / <90N	Altitude	<2000m / <3000m	







TYPE 1 (AC)

SAE J1772 (Female)

Rated voltage 120 / 240V Withstand voltage 2000V

Rated current 16 / 32 / 40 / 80A

Connection TYPE 1

Dimension (W/H/D) 228.7 / 110.8 / 59.7 mm



TYPE 6 (DC)

IEC 62196-6 (Female)

Rated voltage 120V
Withstand voltage 2000V
Rated current 60 / 100A
Connection TYPE 6

Dimension (W/H/D) 246.3 / 110.8 / 60 mm











Material				
Conductor	Copper alloy Sliver plating (Surface)	Сар	Rubber	
Housing	PBT	Cable length	5m	
Working Environment				
Fire rating (Housing)	UL94 V-0	Operating temperature	-30°C~+50°C	
Insulation resistance	>500mΩ	Terminal Resistance	<2Ω	
Product plug force	<100N	Altitude	<2000m	



TYPE 2 (AC)

IEC 62196-2 (Female)

Rated voltage 250V
Withstand voltage 2000V
Rated current 16 / 32A
Connection TYPE 2

Dimension (W/H/D) 256 / 88 / 57.2 mm



TYPE 2 (AC)

IEC 62196-2 (Male)

Rated voltage 250V
Withstand voltage 2000V
Rated current 16 / 32A
Connection TYPE 2

Dimension (W/H/D) 245 / 96 / 57.2 mm













Material					
Conductor	Copper alloy Sliver plating (Surface)	Сар	Rubber		
Housing	PBT	Cable length	5m		
Working Environm	Working Environment				
Fire rating (Housing)	UL94 V-0	Operating temperature	-30°C~+50°C		
Insulation resistance	>500mΩ	Terminal Resistance	<2Ω		
Product plug force	<100N	Altitude	<2000m		



STANDARD SERIES

Standard Series is our very first model type, It features incredible lightweight in combination with its ease of holding and maintenance, which makes it very appealing for daily and field use. More than that, type 6, which is rare to the maket, is including in the series as well.







TYPE 1 (AC)

SAE AC INLET (Male)

Rated voltage 120 / 240V
Withstand voltage 2000V
Rated current 16 / 32 / 80A
Connection SAE J1772
Plug Force <80N
Waterproof level IP54
Dimension (W/H) 74 / 69.5 mm



CCS1 (DC)

SAE CCS1 DC INLET (Male)

Rated voltage 240VAC / 1000VDC
Withstand voltage 3200V
Rated current 125 / 200 / 250A
Connection CCS1
Plug Force <100N
Waterproof level IP54
Dimension (W/H) 90 / 135.33 mm



IP67

NACS (AC / DC)

INLET (Male)

Rated voltage 240VAC / 1000 VDC Withstand voltage 2000V

Rated current 32 / 50 / 80A
Connection NACS
Plug Force <80N

Dimension (W/H) 72 / 72 mm

Waterproof level

TYPE 6 (DC)

IEC 62196-6 INLET (Male)

Rated voltage 120V
Withstand voltage 2000V
Rated current 60 / 100A
Connection Type 6
Plug Force <80N
Waterproof level IP54

Dimension (W/H) 72 / 72 mm





GB (DC)

GB/T 20234.3 INLET (Male)

Rated voltage 750 / 1000V Withstand voltage 3000V

Rated current 80 / 125 / 200 / 250A

Connection GB/T
Plug Force <140N
Waterproof level IP55

Dimension (W/H) 107.25 / 107.25 mm

GB (AC)

GB/T 20234.2 INLET (Male)

Rated voltage 250V
Withstand voltage 2500V
Rated current 16 / 32A
Connection GB/T
Plug Force <100N
Waterproof level IP55

Dimension (W/H) 87.7 / 87.7 mm



Max series was born to be tough, and is a stalwart in rough and rowdy conditions. The designed for use in the most serious senario. Come along with highest level of protection, to ensure the best user experience and giving the best selection for customer in fairly harsh environments.





SCHUKC



TYPE D



AU/NZ



NEMA 14-50



Max Protable

Type 2 socket

In/output voltage 220-240V Withstand voltage 2000V

Output current 10 / 16 / 32A (ADJ)

Output power (Max.) 7.4kW Connection Type 2

Mechanical life > 10000 times
Dimension (W/H/D) 104 / 198 / 67.5 mm











Current adjustment

Material			
Housing	TPE / Silicon	Cable length	5m
Other spec			
Salt mist at +35°C	Pass	Cooling	Natural air cooling
Relative humidity	0%~95%	Operating temperature	-25°C~+50°C
Insulation resistance	>1000m Ω (DC500V)	Contact impedance	<5mΩ Max.
Crushing force	<5000N	Altitude	<2000m



Safty Protection







FLAME RETARDANT



ELECTROSTATIC PROTECTION



OVERVOLTAGE PROTECTION



UNDERVOLTAGE PROTECTION



SHORT CIRCUIT PROTECTION



LIGHTNING PROTECTION



OVER-TEMP PROTECTION



OVER-LOAD PROTECTION



PE PROTECTION





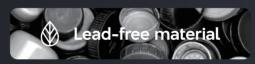
Type 1

Type 2

Light Protable

Type 2 socket

In/output voltage 110-220V
Input frequency 50 / 60Hz
Output current 16 / 32A
Output power (Max.) 3.7 / 7.4kW
Connection Type 1 / 2
Mechanical life > 10000 times
Dimension (W/H/D) 375 / 345 / 95 mm



OPTIONAL VEHICLE END PLUG









Material			
Housing	ABS / PC	Cable length	5m
Other spec			
Standby power consumption	<6W	Cooling	Natural air cooling
Relative humidity	5%~95%	Operating temperature	-25°C~+50°C
Insulation resistance	>1000m Ω (DC500V)	Altitude	<2000m



Max Wall-mount

Type 2 socket

In/output voltage 220-240V Input frequency 50 / 60Hz Output current 16 / 32A

Output power (Max.) 3.6 / 7 / 11 / 22kW

Connection Type 1 / 2

Mechanical life > 10000 times

Dimension (W/H/D) 500 / 385 / 200 mm









WIFI/4G

Material			
Housing	ABS / PC	Cable length	5m
Other spec			
Standby power consumption	<6W	Cooling	Natural air cooling
Relative humidity	5%~95%	Operating temperature	-25°C~+50°C
Insulation resistance	>1000m Ω (DC500V)	Contact impedance	<5mΩ Max.
Power adjustment	Opt	Altitude	<2000m

▶ Safty Protection



LEAKAGE PROTECTION



Ground Protection



ELECTROSTATIC PROTECTION



OVERVOLTAGE PROTECTION



UNDERVOLTAGE PROTECTION



SHORT CIRCUIT PROTECTION



LIGHTNING PROTECTION



OVER-TEMP PROTECTION



OVER-LOAD PROTECTION



UV PROTECTION



Rubust enclosure with a simple round shape will be suiable for daily use. Wall-mount portable is built in multiple tech control modules, such as bluetooth, wifi, RFID, OCCP std, which make it a immaculate option to the market. Thus, it available wall mount and floor stand, giving more flexibilty under different conditions.

CERTIFICATE OF COMPLIANCE GREATLINK ELECTRONICS T 3RD FL 5 LANE 45 PAO HS1 Certificate Number REPORT Reference 3RD FLS LANE 45 PAO H HSIN TEN, NEW TAIPE! HSIN TAIWAN Issue Date ELECTRIC VEHICLES Type EVYT rated 60° Type EVYT rated 60° Wet, 60°C Oil Jacker This is to certify that representative samples of Have been inv Standard(s) Flexible See the Standard(S) for Safety:

Additional Information:

Only those products bearing the UL List.
Only those products bearing the UL List.
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Look for the UL Listing Mark of

CERTIFICATION

Buy safe - Charge safe

Greatenergy is leading the way, and are proud to announce that all products has been UL, Derka, Tuv certified. It is always a priority for our products to undergo rigorous testing conditions to ensure safe and reliable charging in real life chanllenge.





Greatenergy



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