

Products Overview

- Terminal block
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- Industry control products
- Switch Power Supply
- SPD
- Signal Splitter/Transmitter
- Relay Module/Photoelectric coupling
- EV Charger
- New Energy Vehicle Products
- New Energy Charging Products
- EV Charger Accessories
- Electricity meter junction box
- Tools & Accessories





Company Profile

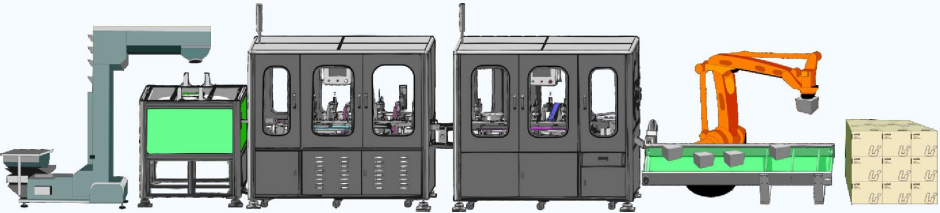
Our company was established in 1995, covering area 47,000 square meters and factory area is 69,000 square meters. It is a high-tech enterprise with technology innovation as its core competitiveness, integrating R&D, manufacturing, sales and technical services, Shanghai famous brand enterprise, Shanghai famous trademark enterprise, Shanghai science and technology small giant enterprise, Shanghai patent pilot enterprise, and China integrity management demonstration. The unit and Shanghai 100 growth-oriented enterprises have won the Shanghai Finance Class A credit qualification, the Tax Bureau Class A taxpayer qualification certificate and the Shanghai Industrial and Commercial Bureau's contract-honoring and credit-worthy AAA enterprise.

Our company is the first pass the ISO9001 quality system certification and ISO14001 environmental system certification in Chinese market, the products have passed China Compulsory Certification (CCC certification), China Quality Certification Center CQC certification, China Classification Society CCS certification, national explosion-proof electrical EX certification, lightning protection CNAS certification, EU CE certification, US UL certification, German VDE certification, TUV Rheinland certification, international standard ASC certification and EU ROHS directive certification (SGS). Participated in the formulation of industry standards, currently has more than 300 patents, including 5 invention patents (32 other applications), 90 utility model patents, 28 design patents, and 6 software copyrights.

The main products is: industrial connection technology (terminal blocks, switch button, signal lights, bus bars, switching power supplies, anti-surge, terminals, etc.), intelligent manufacturing (industrial automation equipment), new energy vehicle connections and charging pile accessories manufacturing (High-voltage harness, charging gun, charging module, charging post accessory).

Upun Electric Group always takes innovation as the source of power, constantly insists on technological innovation, increases R&D investment, establishes strategic cooperation with overseas scientific research institutions, builds a technological innovation platform, and establishes a domestic first-class product R&D center, mold center and testing center. The company has introduced international advanced automated production equipment and testing equipment, and has trained a group of professional technical teams. The products developed are widely used in the fields of nuclear power industry, electric power, metallurgy, machinery, chemical industry, rail transit, new energy charging, etc., and are in Olympic venues, Qinshan Nuclear Power Station, Beijing-Guangzhou Railway, Jingzheng Railway, Guangzhou Baiyun Airport, Beijing Subway, Shanghai Jinmao Tower, Oriental Pearl Tower, Three Gorges Project, Shengli Oilfield, Sinopec and other key projects at home and abroad play an increasingly important role.

Smart Manufacturing



History review

UPUN Automation Department was established in 2009. Specializing in the design, development, manufacturing, assembly and commissioning and after-sales service of non-standard automation equipment. Provide a full range of technical support for the company product assembly, promote the reform of the production model, replace the labor by auto machine, improve production efficiency, stabilize product quality, reduce production costs and other comprehensive improvements, greatly improve our competitiveness.

Smart factory

R & D and manufacture of flexible assembly solutions for terminal blocks, multi-axis manipulators or multi-axis robots replaces repetitive assembly, ensures high quality product assembly.

At the same time, the Automation Department also undertakes external automation solutions and equipment for the whole plant to meet the upgrade of production and assembly systems in the electrical, hardware and other fields, and jointly realize China's intelligent manufacturing.

In the future, intelligent manufacturing will increasingly as a major trend and core content in the development, promote industry to move towards high-end and build a strong manufacturing country.

Technology research and development

UPUN Automation Department has a professional R & D team and sophisticated manufacturing equipment, dedicated to providing efficient and fast "non-standard customized automated production and assembly solutions", one-stop assembly production solutions to solve the production of assembly materials ,transportation, material processing, local assembly, final assembly, inspection, packaging, real-time monitoring, management and data analysis, etc., truly realize machine to substitute workers. Our professional R & D team can complete the assembly of various devices and realize multi-station assembly. From the input of accessories to the output of finished products, completed by automated robots. This includes the detection of components detail and final product performance, automatic identify and screen unqualified products.



EV charger national standard



Rated voltage: 220 / 440V AC
 Rated current: 16A / 32A
 Working temperature: -30°C to 50°C
 Service life: > 10000 times
 Protection level: IP55
 Design standard: GB / T20234.2-2015



New energy vehicle national standard



Rated voltage: 750/1000V DC
 Rated current: 80A/125A/200A/250A
 Working temperature: -30°C to 50°C
 Service life: > 10000 times
 Protection level: IP55
 Design standard: GB / T20234.3-2015
 Female termina: Torsional spring terminals



High voltage wire harness



PDU wiring harness Battery positive and negative wiring harness Charger harness



Car charger wiring harness AC charging stand assembly harness DC charging stand assembly harness

Scope of application: connection of electric control battery of new energy electric vehicle motor.
 Used for high current transmission switching.
 Waterproof rating: IP67
 Lifespan: more than 100 times

High voltage connector



Scope of application: EV motor electric control battery connection
 Used for high current transmission switching.
 Waterproof rating: IP67
 Lifespan: more than 100 times

EV 7KW truck pile



Well done and lightweight, easy to install; working condition is stable, supporting models is wide, technical guarantee is sufficient. Applicable domestic plug-in hybrid (PHEV) and pure electric (BEV) vehicles.

New energy vehicle control box



Rated voltage: 220V AC
 Rated current: 10A / 16A
 Working temperature: -30°C to 50°C
 Service life: >10000 times
 Protection level: IP55 control box IP67
 Protection function: over-temperature, over-voltage / under-voltage, over-current, leak current, etc.



Portable charger



Quick connection, simple operation, wide voltage adjustment range (suitable for charging different levels of battery), high power efficiency, energy saving and no pollution, high intelligence, novel design, compact structure, light weight, and easy movement.

New energy vehicle AC charging pile



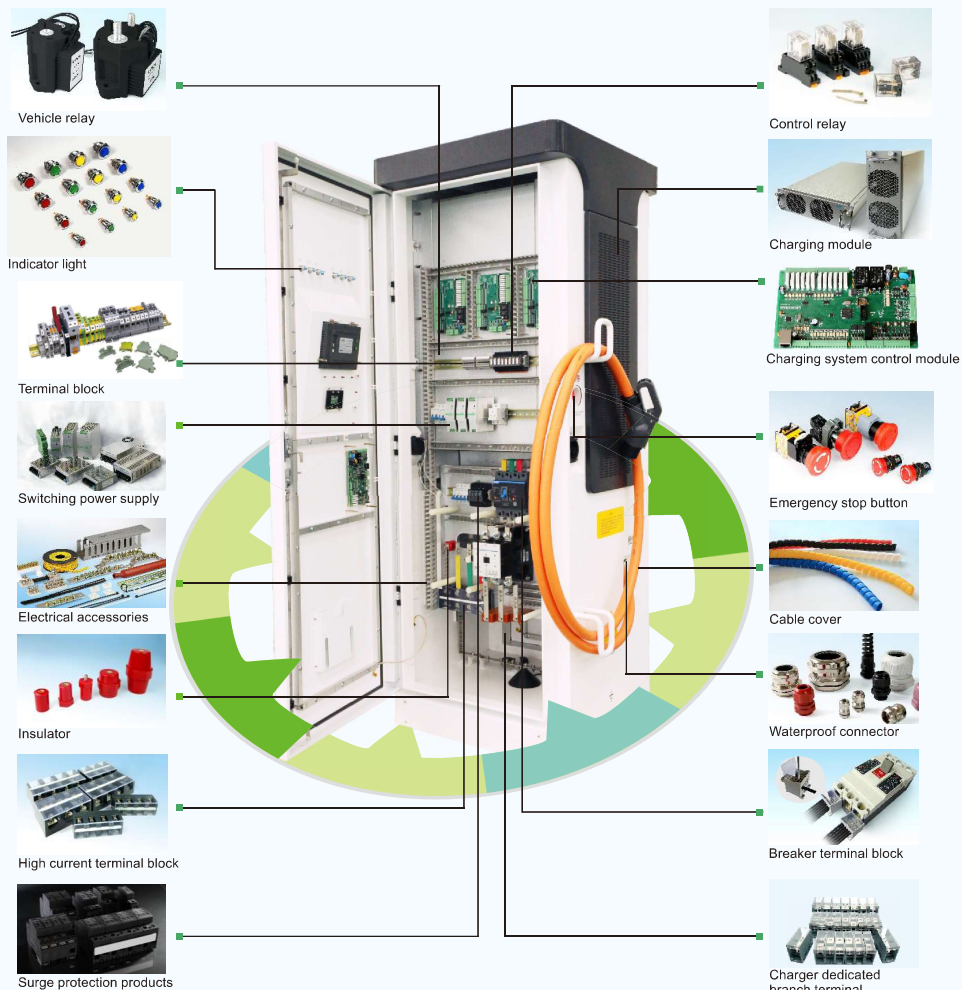
- Charging pile shell with ground protection detecting function, safe and reliable;
- High temperature characteristics, automatic adjustment of output power;
- Low temperature characteristics
Operating pile: can work on -30°C ;
Truck-mounted pile: can work on -40°C ;
- The appearance can be customized;
- Pile fault reset function
After the fault eliminating, the pile will reset automatically;;
- Support voice broadcast function
The charging process with voice broadcast function;
- The control board adopts three-proof design
Anti-humidity, anti-salt spray, anti-mouldy design;
- With Bluetooth, 4G, wifi and other communication interfaces;
- In a humid environment pile won't with waterlogged.

New energy vehicle DC charging pile



- Constant power charging
Fast charging, short time charging. Stable charging even lower voltage
- Automatic power distribution
High efficiency and good benefits. The charging pile support different power for different vehicles
- Wide output voltage range
Output voltage range: 50V, covers all the EV voltage battery
- Wide range of operating temperature range $-20^{\circ}\text{C} \sim 70^{\circ}\text{C}$
a) Full power output below 60°C ambient temperature;
b) Higher 60°C ambient temperature, piecewise linear power limit;
c) Overtemperature protection at 75°C ambient temperature, no output;
- Remote upgrade function
Charger version can be upgraded and optimized remotely;
- Support voice broadcast function
The charging process with voice broadcast function;
- Anti-humidity, anti-salt spray, anti-mouldy design;
- With Bluetooth, 4G, wifi and other communication interfaces.

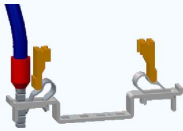
DC charger accessories(produced by UPUN)



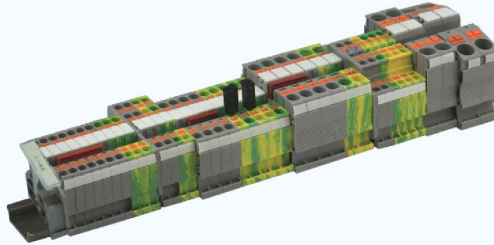
The most complete production for charging pile accessories, UPUN can provide 80% of equipped products , relays, surge protection devices, DC contactors, button switches, industrial control indicator light, switch power supply, electrical materials etc,saving manpower and cost for clients

Terminal block

UJ6 push-in terminal block



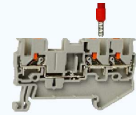
Rigid wire, connect 0.25mm^2 above wire without tools



UJ6 push-in terminal block is the new generation terminal of UPUN connection system. With special contact springs, the wire can be easily inserted into the connection of high quality.

1. Wide cross section range: 0.2mm^2 - 35mm^2 Rated current: 4A 100A;
2. Shrapnel type wiring, quick connection without tools, high efficiency connection;
3. Strong seismic resistance, safe, stable and maintenance free.

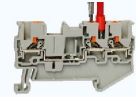
UL US CE RoHS



Tool free

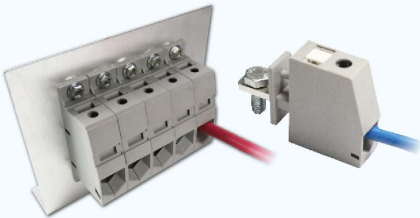


Easy installation



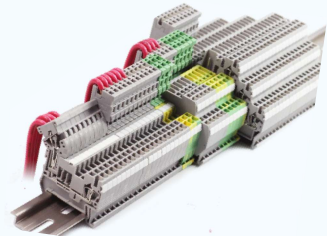
Easy release

UKJ-50THP Wall through terminal block



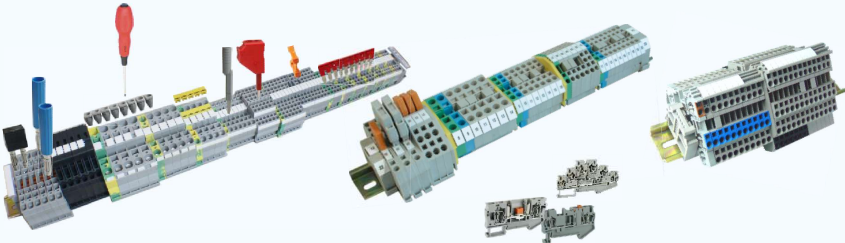
1. One end with screw clamping wiring structure, easy installation, more safety
The other end with screw wiring structure, one connection point can connected two wires;
2. Can be installed on the 1-10mm panel, product structure support fixed distance can be adjusted;
3. Easy installation, terminal inserted into hole advance, fix mounting plate to complete the installation.

UJ5-2.5WV needle terminal block



Cage type wiring support 2.5mm^2 wire + needle type wiring support
USPB-2.5W/5.0, UWP-2.5W/5.0 plug
Raw material: high grade Pa66;
great insulation and resistance.

UJ spring-cage type terminal block

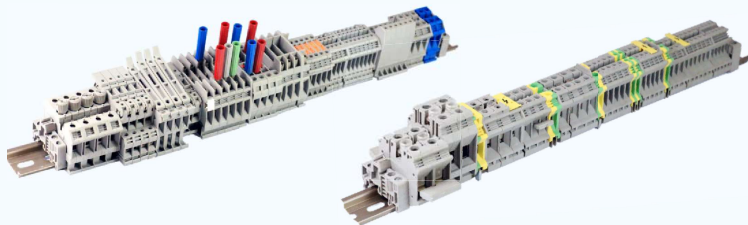


1. Wide cross section range: 0.2mm^2 - 35mm^2
Rated current 4A-125A
Rated voltage 400-800V;

2. UJ spring-cage terminal blocks have the advantages of good anti-vibration performance and convenient connection.

UL US CE CCS RoHS

UKJ screw type terminal block

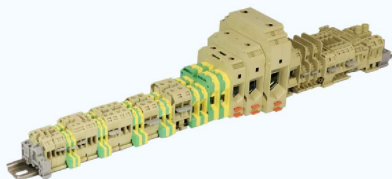


1. Wide cross section range: 0.2-240mm²
 Rated current 4-415A
 Rated voltage 500-1000V

2. By function: voltage, test, ground, fuse, high voltage, double-level, etc
 3. Structure: conventional type, UKJ-E, UKJ-EE.

UL US CE CCC CCS RoHS

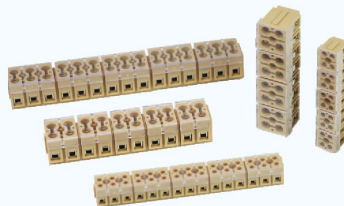
USK terminal block



1. Wide cross section range: 0.5mm²-240mm²
 Rated current: 4A-15A
 Rated voltage 660-1000V
 2. Functions: voltage, test, ground, fuse, double-level, etc.

CCS CE CCC RoHS

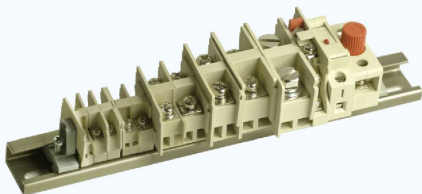
UFJ Base closed terminal block strip



1. Wide cross section range: 0.5mm² ~10mm²
 Rated current 24A~57A
 Rated voltage 660V;
 2. Support integral multi-loop if customer needs.

CE RoHS

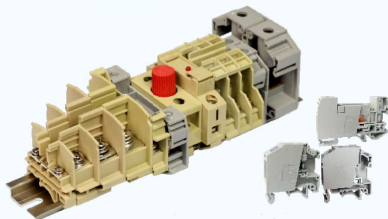
JF5 barrier screw terminal block



1. Wide cross section range: 0.2mm²-25mm²
 Rated current: 4A-101A;
 2. Installed on high-low DIN rail

CE CCC

UBJ2 board terminal block



1. Wide cross section range: 0.5mm²-25mm²
 Rated current: 6A-101A;
 2. By function: voltage, test, ground, fuse, double-level etc;
 3. UBJ2-OT range: OT2.5, OT6, OT6S, OT25.

UL US CE

UTD board type terminal block



1. Wide cross section range: 0.5mm²-600mm²,
Rated current: 6A-1000A;
2. Can be combined by screw or DIN rail;
3. High current can be divided.

UL US CE CCC RoHS

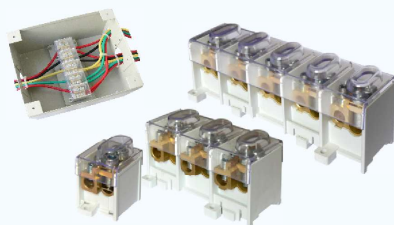
UJFX1 trunk line terminal block



1. Terminals or circuit breakers wiring distribution;
2. Models: UJFX1-63, UJFX1-100, UJFX1-250, UJFX1-400, UJFX1-600.

CE

UJTF1 Trunk line branch terminal block



1. Trunk line: 6mm²- 240mm², branch line: 4mm²- 150mm²;
2. Type: 1P, 3P and 5P;
3. Features: trunk line is not cut off;
4. This product can match with cable junction box.

CE

UDJ high current terminal block



1. Wide cross section range: 2.5mm²- 240mm²
Rated current: 24A-600A
Rated voltage: 660V
2. By structure: 3P, 4P, 5P;
3. By spec: 60 A / 100 A / 150 A / 200 A / 300 A / 400 A / 600 A.

CE CCC RoHS

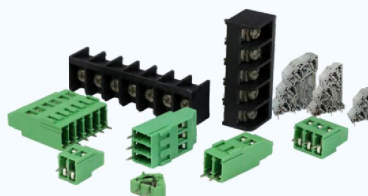
multi-funtional trunk line terminal block



1. Generally it plays role of busbar, high-current terminal blocks or N and PE cable connection in the electric control cabinet;
2. Wide cross section range: 0.5mm²-300mm²
3. Wiring divide way: barrier feeding, barrier divide, barrel feeding, barrel divide etc.

CE RoHS

PCB terminal block



1. Type: PCB, pluggable, through, barrier;
2. Wide cross section range: 0.2mm²- 25mm² ;
Rated current: 41A-100A.

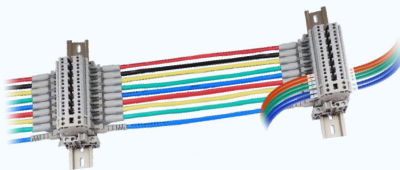
JY terminal /JM small busbar rack



1. Widely used in relay protection cabinet;
2. Product have JY1-1, JY1-2, JY1-2n, Y1-2N2, 2Y1-2N3, JY1-3, JY1-2F etc;
3. JM series wide cross section range 6-10 copper.



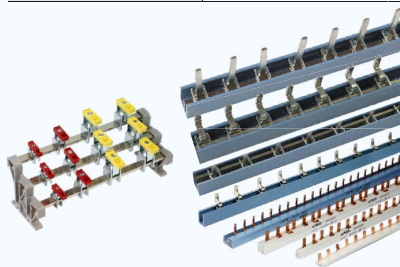
UKJ trunk line terminal block



1. UKJ-25/4 ×6, 25mm² trunk line, 0.5-6mm² branch line;
2. UKJ-10/4 ×4, 10mm² trunk line, 0.2-4mm² branch line;
3. More safety and reliable;
4. Length,width, color can be customized.



UP busbar



1. Mainly used for connection of circuit breakers;
2. Rated voltage 380V;
Rated current 41A-100A;
3. Product have 1P, 2P, 3P and 4P;
4. Type: UP1,UP2,UP3,UP4,UP5;
5. UP2 is movable.



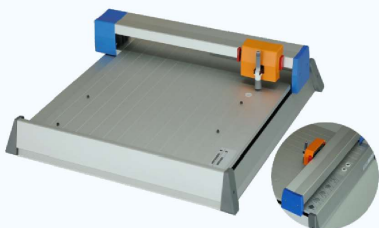
Electricity meter junction box



- 1 UBH has three phase three wire & three phase four wire;
2. UBH-2S, UBH-4S with current and voltage phase test function, with RS485 interface.



Marker printer



Weighs 6.3kg, very compact, used for terminal blocks, wire and cable surface markers printing.

Accessories



Mainly include of UPUN: End stop, Test connector, Marker label, DIN Rail, located ruler, DIN rail cutter, Clamping, Dust cover and other products.



Industry control products



Industrial control products include LA130 series push button, UC2 series push button, AD103 series indicator lights, UCB series control boxes, relays, switching switches, combined pilot lights etc. UC2 series push button get the national invented patent, widely used in nuclear power industry, electric power, metallurgy, machinery, chemical industry, railway and other fields.



Push-in button, indicator light and relay socket



1. Two wires can be inserted at the same potential point to expand wiring;
2. Structure of stainless steel sheet and excellent manufacturing process are adopted, which is anti-vibration and maintenance-free and reduces the cost of use and maintenance;
3. Wiring speed is increased by 2/3 with convenient installation and removal and higher efficiency, compared with traditional products;
4. Screw tightening and torque management are unnecessary, which can reduce maintenance time, in comparison with screw wiring.



LA130 metal push button



The metal button has the characteristics of waterproof, dustproof, sunshine proof, sandproof, high strength and destruction. The hole sizes are 16, 19, 22 and 25, and the buttons can be selected with or without lights. S.



Relay



Relay have intermediate relay, power relay, vehicle relay and time relays etc. Widely used in a variety of industrial automation control project. UCR1 series relay with very small size than traditional products, save space.

1. High input and output insulation voltage, good isolation performance;
2. It can be used as luminescent indicator and with great coil surge absorption function;
3. Various installation methods.



Switching switch/indicator light



LW130 series switch has complete specifications, small size, multiple functions, compact structure, great material selection, good insulation, flexible conversion operation, safe and reliable, novel shape, among which LW130-20 switch has the function of protecting fingers. AD103-J series indicator light suitable for the electric circuit under AC380V, 220V, alarming all kinds of industrial equipment and devices. AD103-□ M series multi-color light, the maximum combination can be seven colors.

AD103 Metal indicator light



Metal indicator light with 8mm, 12mm, 16mm, 19mm and 22mm diameter, with LED. The light source adopts high brightness bidirectional LED element, with common AC/DC voltage, low power consumption and long lifespan, 40,000 hours. Suitable for outdoor use, it is an ideal upgrade product.



Accessories



Accessories product include: folk terminals, insulated sleeve, DIN rail wiring duct, nylon cable tie, corrugated tubes, hose joints, metal joint, waterproof cable joints, waterproof junction boxes and heat-shrink tubes, cooling fans, industrial sockets and plug, zero terminal, etc. A variety of products, providing a one-stop service.



Wire duct/Wire bundle/tool



Wire duct/Wire bundle/tool products are available

Heavy duty connector



Heavy duty connectors are mainly used for electrical or signal connection between different devices or functional units. All parts can be customized, flexibly modified, extended or replaced. It is widely used in construction machinery, textile machinery, packaging and printing machinery, tobacco machinery, electric locomotives and petrochemical power applications requiring electrical and signal connection.



UDK/UGM photoelectric relay module



Input voltage: 5V-230V
Output switching voltage: 5V-230V
Output switching current: 0.02A - 16A



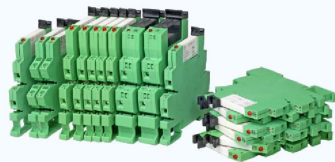
UGL signal splitter/transmitter



Input signal: current, voltage, temperature, switching quantity;
Output signal: current;
Voltage output mode: 1 in 1 out, 1 in 2 out, 1 in 4 out, 2 in 2 out, 2 in 4 out;
Features: high conversion accuracy, high isolation voltage.



PLC ultra-thin photoelectric coupling/relay module



Input voltage: 12V ~ 230V
Output switching voltage: 5V ~ 230V
Output switching current: 0.02A ~ 8A
Output contacts: 1 NO, 1 convert, 2 convert
This series of products have common type UDK-PLC-R and economical type UDK-PLC-R E
Features:
1. Convenient pluggable bridge system
2. Easily exchange
3. Thickness: 6.2mm.



UM housing series



Housing series:
1.Thickness of housing: 12.5mm, 17.5mm, 22.5mm, 35mm, 45mm and 67.5mm can be combined;
2.Length of insulation bracket: 25mm, 45mm, 72mm and 108mm are optional.



USP-280MDN switching power supply



Rated input DC voltage: 12VDC
Input voltage range: 10vdc-16vdc
Minimum output power 0W, rated output power 280W
Storage humidity :10% - 95% RH. (No condensation)
Atmospheric pressure :80Kpa - 110Kpa

Rated voltage and accuracy	V1	V2	V3	V4	V5	V6
	12V±5%	5V±5%	12V±10%	-12V±10%	24V±5%	5V±5%
Output voltage range (V)	11.4-12.6	4.75-5.25	10.8-13.2	-10.8-13.2	22.8-25.2	4.75-5.25
Mini current (A)	0A	0A	0.2A	0.1A	0.2A	0A
Rated current (A)	15A	10A	1.5A	0.5A	1A	1A

Switch power supply



Output power: 5W-500W
Output voltage: 5VDC, 12VDC, 24VDC
Output current: 1A-50A
Input voltage: 85V 264VAC/120V 370VDC

Features:
over current, over voltage, under voltage, over temperature, short circuit protection;
can be customized according to customer requirement.



USST series software starter



1. Built-in bypass operation circuit save cost
2. Small size, convenient for cabinet layout;
3. Easy to operate, built-in intelligent parameters, simple application;
- 4 Independent power supply design
- 5 Alloy body, no rust, salt fog, high heat dissipation ratio.

Surge protection device



Maximum discharge current: 8/20us 5KA - 150KA
Rated working voltage: 5V - 1000V
Combination mode: 1P, 2P, 3P, 4P, 3+1P

- Features:
- 1.Low residual voltage, low leakage current
 - 2.Alarm function for surge strike, remote signal, power failure
 - 3.Display voltage and current.



UGF PV junction box



PV input path number: 4-24
PV input voltage: 200-1000V
PV input current: 0-20A
Communication interface: Rs485





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