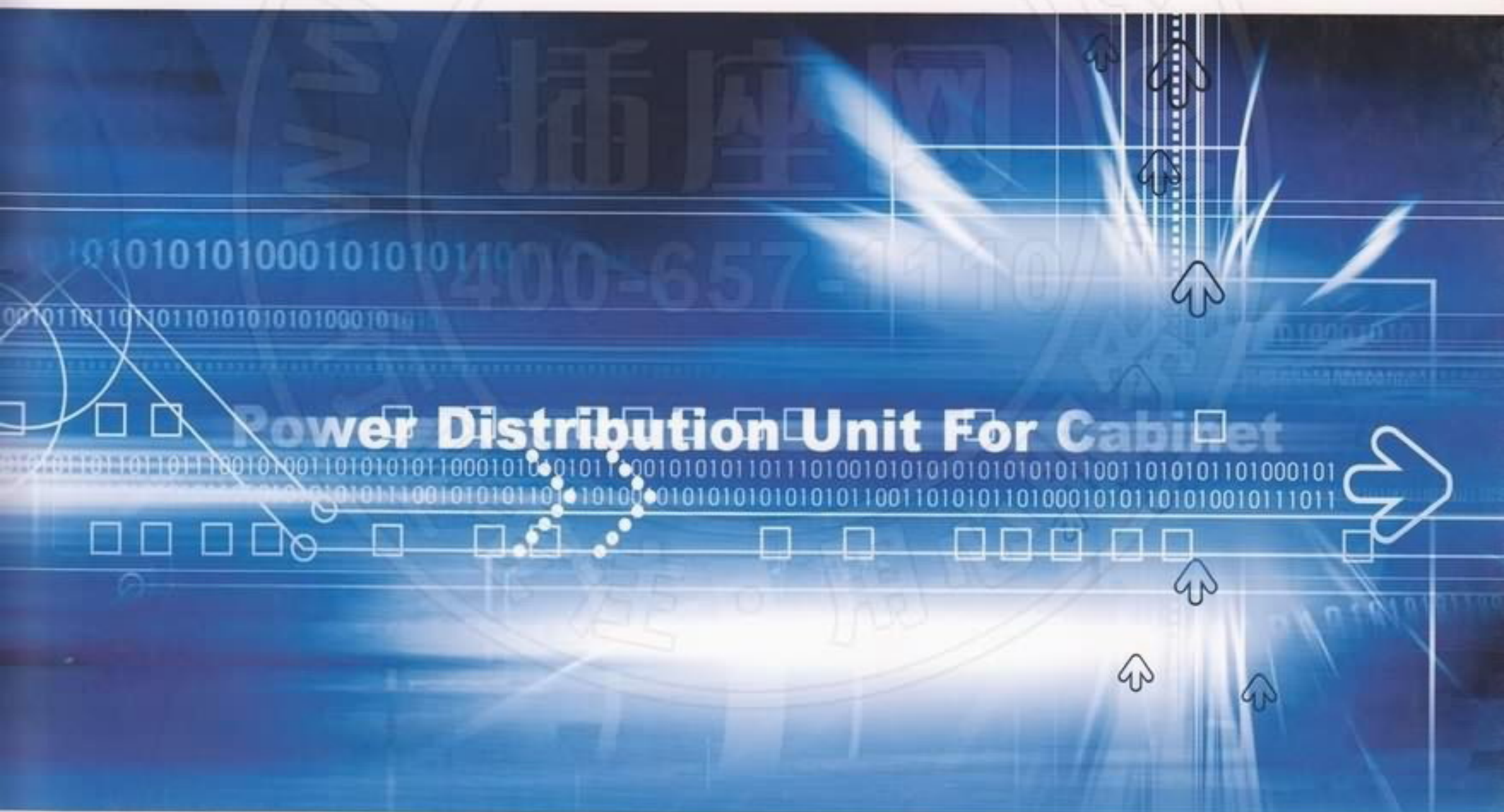




PDU

DESIGNATED POWER DISTRIBUTION UNIT FOR CABINET
DESIGNATED MODULARIZED AND MULTI-FUNCTIONAL
POWER DISTRIBUTION UNIT FOR CABINET



POWER CONTROLLING DISTRIBUTION SYSTEM FOR CABINET



SHENZHEN CLEVER ELECTRONIC CO., LTD.

SHENZHEN CLEVER ELECTRONIC CO., LTD. is a high-tech enterprise specialized in development, production and sales of network power manager, power distribution units, power socket and surge protector; she has introduced "new conception of safety to drive power", and has several series of products: network power manager, power distribution units for cabinet, sequential controlled power distribution unit, computer monitor power distribution unit, surge protector and so on. These products are, specially, suitable for high-tech fields of IT, finance, telecom, electric power, hospital, military, aviation, scientific research and E-government, can be widely applied for protection of electronic /electrical equipments of computer, server, telecommunication equipment, network system, cabinet products, lightning project, information technology equipment and precision instruments, have applied and launched in the worldwide.

Clever's survival and expansion come from its endless development and innovation, up-to-date design concept, sophisticated manufacturing, strict quality control system, integrated testing environment, pursuing constant improvement attitude, details-minded and responsible nature. Clever boasts of its comprehensive technical support and solution for its products and services.

Its products are found in full compliance with applicable newly-published criteria both at home and abroad, and awarded a safety certificate by internationally known bodies and 3C certificate by Chinese authority, winning national invention patents. Clever is the sole designated supplier of relevant products by Xichang Satellite Emission Base. The Company is ISO9001:2000 certified, and awarded a title of Quality Supplier, User Friendly Company, Outstanding Standardization Unit and others equivalent. The Company is among the standard makers of GB2099.3-1997, a domestic national standard for supply socket/switch.

The Company holds a consistent idea of "human based, leading technology, quality first, earning a big name" or its further development, hopes to join hands with valued clients from all circles for a mutual prospect with its "most reliable product and top-grade service".



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All Clever's PDU products are manufactured by environmental protection materials and components, accord with the regulations of European Union RoHS directive, and we had passed test of SGS.

1. STANDARD AND CRITERIA, BASIS FOR PRODUCT DESIGN AND TEST:

- IEC 60320-1:1994 Appliance couplers for household and similar general purposes Part1: General requirements
- IEC 60320-2-2:1990 Appliance couplers for household and similar general purposes
Part2: Interconnection couplers for household and equipment
- BS 1363-3:1995 13A plugs, socket-outlets and adaptors-Specification for adaptors
- BS 1363 Pt.2:1995 13A plugs, socket-outlets and adaptors. Specification for 13A switched and unswitched socket-outlets
- DIN 49440-1:1989 Two-pole socket-outlets with earthing contact;10A 250V DC.,16A 250V AC.; main dimensions
- DIN 49440-2:1987 Two-pole socket-outlets with earthing contact 10A 250V DC.,16A 250V AC.;mobile multiple socket-outlets; combination of socket-outlets 10/16A 250V and socket-outlets 2.5A 250V; main dimensions.
- NF C61-314:2003 Plugs and sockets-outlets for household and similar purposes-6A/250V and 16A/250V systems
- UL 498-1996 Attachment plugs and receptacles
- UL 60950-1 《The security of the communication technology equipment》
- AS/NZS 3112:2004 Australian/New Zealand Standard™
Approval and test specification-Plugs and socket-outlets
- IEC 60906-1-1986 IEC System of plugs and socket outlets for household and similar purposes.
Part 1: Plugs and socket-outlets 16A 250V AC.
- IEC 60906-2-1997 IEC System of Plugs and Socket-Outlets for Household and Similar Purposes
Part 2: Plugs and Socket-Outlets 15A 125V AC.
- IEC 60884-1-1994 Plugs and socket-outlets for house-hold and similar general purposes
Part 1: General requirements
- IEC 60884-2-5-1995 Plugs and socket-outlets for household and similar purposes
Part 2: Particular requirements for adaptors
- GB1002-1996 Single phase plugs and socket-outlets for household and similar purposes Types, basic parameters and dimensions
- GB 2099.1-1996 Plugs and socket-outlets for household and similar purposes
Part 1: General requirements
- GB 2099.2-1997 Plugs and socket-outlets for household and similar purposes
Part 2: Particular requirements for socket-outlets for appliances
- GB 2099.3-1997 Plugs and socket-outlets for household and similar purposes
Part 2: Particular requirements for adaptors
- GB 17465.1-1998 Appliances coupler for household and similar general purposes General requirements
- IEC 61643-1:1998 Surge protective devices connected to low-voltage power distribution systems
Part 1: Performance requirements and testing methods
- IEC 61312-1:1995 Protection against lightning electro-magnetic Impulse Part 1: General principles
- IEC 61312-3: 2000 Protection against LEMP Part 3: Requirements of Surge protective Devices
- UL 1449-1996 Transient voltage surge suppressors
- DIN VDE 0675: 1989 Overvoltage Protection of Low Voltage Systems
- GA 173-1998 Lightning protection for a computer information system
- GB 17464-1998 Connecting devices-Safety requirements for screw-type and screw less-type clamping units for electrical copper conductors
- YD/T 1235.1-2002 Performance requirements for Surge Protective Devices Connected to Low-voltage Distribution Systems of Telecommunication Stations/Sites
- YD/T 1235.2-2002 Testing Methods for Surge Protective Devices Connected to Low-voltage Distribution Systems of Telecommunication Stations/Sites

2. PRODUCT FEATURES

All CLEVER PDU series have modularized configuration. The series products are designed & developed according to international standard, and obtained several invent patent. The series products have international advanced technology, Promethean & novel structure, safe & reliable quality, easy installation and wide usage. The products are mainly applied to 482.6mm (19") standard cabinet & nonstandard cabinet.

All Clever's PDU products which have passed the authoritative international organizations' safety testing and certification, are manufactured by environmental protection materials and components, accord with the regulations of European Union RoHS directive.



PCDS(Power Controlling Distribution System) is formed by PGDS(Power Generatrix Distribution System), PCSM (Power Controlling System Module) and PDUM(Power Distribution Unit Module).

PCDS Characteristic:

1. PGDS general wiring, the max load 96A;
2. PCSM has individual remote management and automatic alarm function;
3. PDUM are suitable for world different standard sockets;
4. PCDS can exchange and enlarge PDUM in uninterrupted operation;
5. PCDS is matched one PCSM and 6 PDUM at most;
6. Power input connecting terminal box is convenient for customers to mount and debug on job site;
7. Vertically mount in cabinet , save space in maximum.

(Details please see Page 32)

- **Modularized structure**

Design and manufacturing of all the products are arranged in a modularized way.

- **Series specification**

CLEVER PDU products divided into nine series, respectively, applicable to different application environments, can easily meet the technical needs of different customers.

- **Diversified socket system**

The products is equipped with supply socket modules meeting different systems and standards in the world, which puts the product in a rather advantageous position to satisfy clients in each country or region.

- **Optional output unit**

CLEVER PDU products can meet customers' need to choose a different number of output units, up to 46 output socket modules can be installed.

- **Optional power input**

CLEVER PDU power input contains left / right input, front / back input, single / double input, socket type input and multi-power input style, can be satisfy to the clients' technology requirement easily.

- **Easily mounting**

CLEVER design the different mounting methods and can be easily, fastness, multi-side to install the PDU products by frontal and inverse installation.

- **Connecting port to connect**

CLEVER design the special connecting box and provide the plug meeting the different systems and standards in the world, and it can satisfy the customers' different requirement for the power input, cables connecting and power connecting port's.

- **Diversified controlling function**

CLEVER PDU contains multi-controlling function module, the master switch, master air circuit breaker, and power indicator and so on, these controlling function can control the master, individual and the special designated controlling.

- **Effective protecting function**

CLEVER designed the high-performance surge protective module according to international standard, including the polarity indicator and earth indicator surge protector, replaceable surge protection component, and we can make up the effective surge protecting as the customers' technology requirement.

- **Case color abundantization**

Independently developed patent shell is adopted insulating electrophoresis aluminum alloy, the color has titanium white & black. Customers can select the color of shell & functional module.

- **Use a terminal for internal connection**

Thread ends are used for an internal connection of socket modules, plug connectors for functional modules.

- **Tailored hole space**

The product can be tailored in terms of hole space to satisfy the customers' requirement for the installation and connecting.

- **Reliable output characteristics**

Sleeves or parts subordinate to a socket are made with phosphor bronze, the material famous for its elasticity; wear resistance, diamagnetism and corrosion resistance. The product is a result of precision work and integral impact and forming, which ensures a reliable contact and a single-pole pull-and-plug life at 5000 times above, a safe and reliable operation, no loosening, no strike, and reliable electric conductivity and connectivity.

- **Requirement customization**

CLEVER design the PDU products as the customers' special requirement, to produce the different length and super load PDU products.

- **Quality thermal endurance and fire resistance**

All functional modules are adopted PC/ABS plastic materials, hot change temperature reach to above 120°C, fire-retardant characteristic accords with UL94-V0 standard.

- **Current display digitization**

The system design has digital AC amperemeter module which can be installed horizontally or vertically, and digital AC amperemeter module with overload automatic protecting, which can ocularly display the change of load current. Users can select according to requirement.

- **Creepage protecting automatization**

Specially designed creep age protecting module is adopted special high-sensitivity integrated circuit, which has the following feature: sensitive work, reliable capability, strong anti-interference ability, good shock-resistant voltage performance. When users' equipment creep age, power can be cut off in stantly for protecting person & equipment.

- **Internationally prevailing system and standard**

The product, a result of design and manufacturing process meeting applicable standards in the world, finds particular applications in standard cabinets 482.6mm (19") in terms of its installation, application and other technical matters.

3. Clever PDU Part Number Explanation

3.1. Clever PDU's series number is made up of 17 letters and digitals, can be divided into 9 sects, the 9 sects separately indicate:

- I. **The PDU series code:** 7 (be made up of 3 letters and 4 digitals) (Details please see Page 6 to Page 9);
- II. **standard of outlet:** 2 (be made up of 1 letter and 1 digital) (Details please see Page 10 to Page 14);
- III. **Quantity of outlet:** be made up of 2 digitals;
- IV. **Power input style:** be made up of 1 letter (Details please see Page 15 to Page 16);
- V. **Bracket installation:** be made up of 1 letter (Details please see Page 16 to Page 17);
- VI. **Cable(cord) with plug:** be made up of 1 letter (Details please see Page 18 to Page 21);
- VII. **Control function:** be made up of 1 letter (Details please see Page 22 to Page 23);
- VIII. **Protection function:** be made up of 1 letter (Details please see Page 23 to Page 25);
- IX. **Case color:** be made up of 1 letter (Details please see Page 25).

Such as:



AUE2220 D1 - 08 A H D P M W

AUE2220: PDU products series

D1: socket & standard(DIN49440 standard)

08: ways(8way)

A: power input style(left end single input)

B: case color(white)

M: protecting function(NO)

P: controlling function

D: cable connecting plug

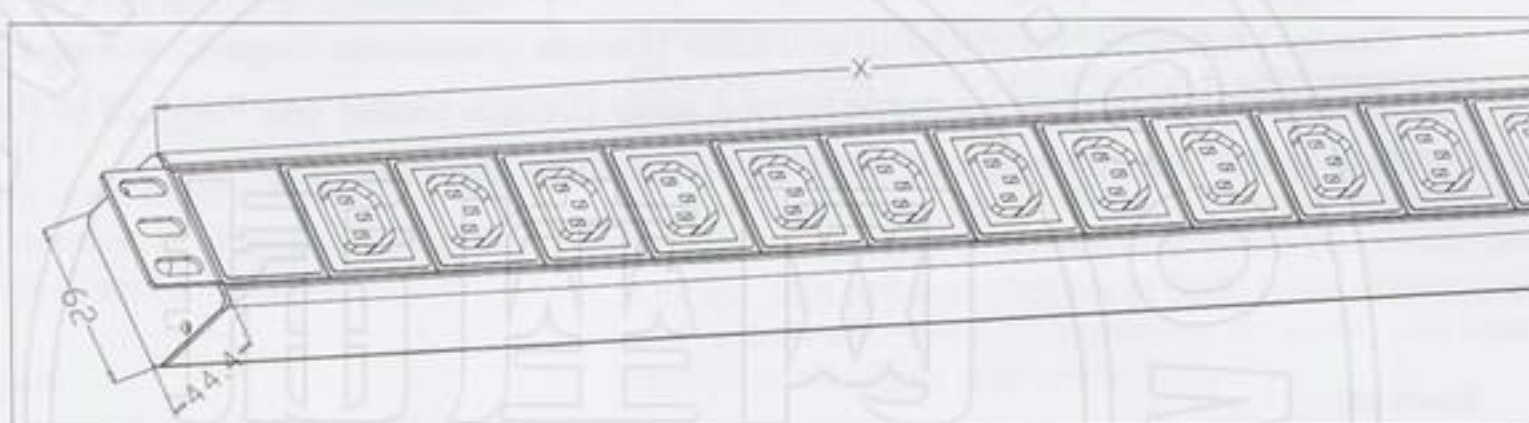
H: Mounting bracket(Frontal installation)



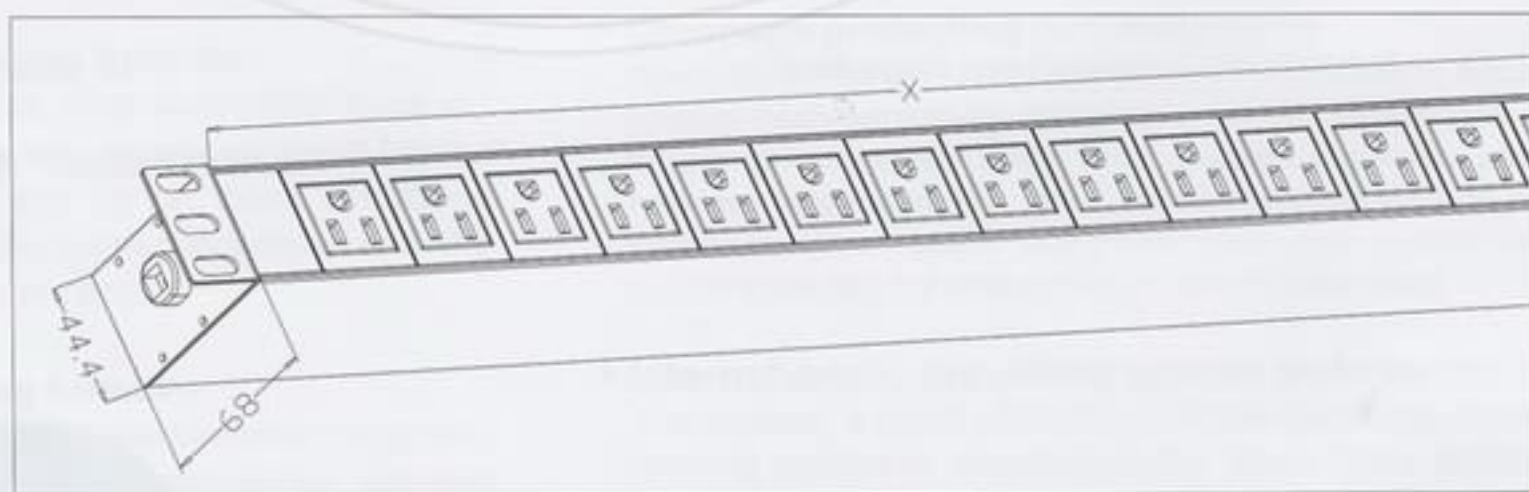
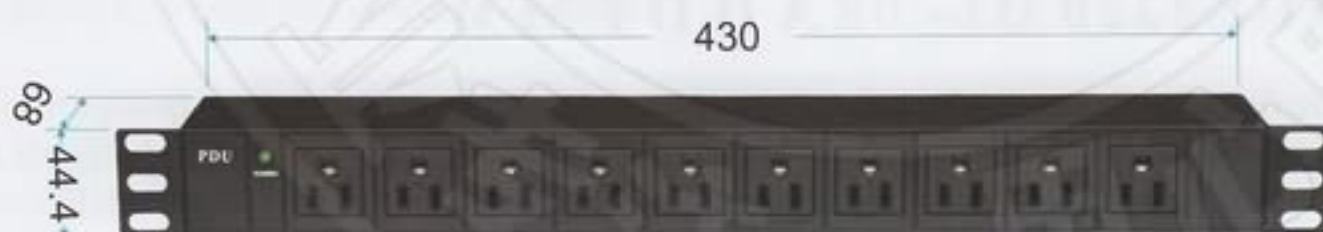
4. CLEVER PDU Series

4.1. There are 8 series for CLEVER PDU products

AUE2220 series PDU Product size: $L \times W \times H = X \times 44.4 \times 62\text{mm}$ (1.4U)



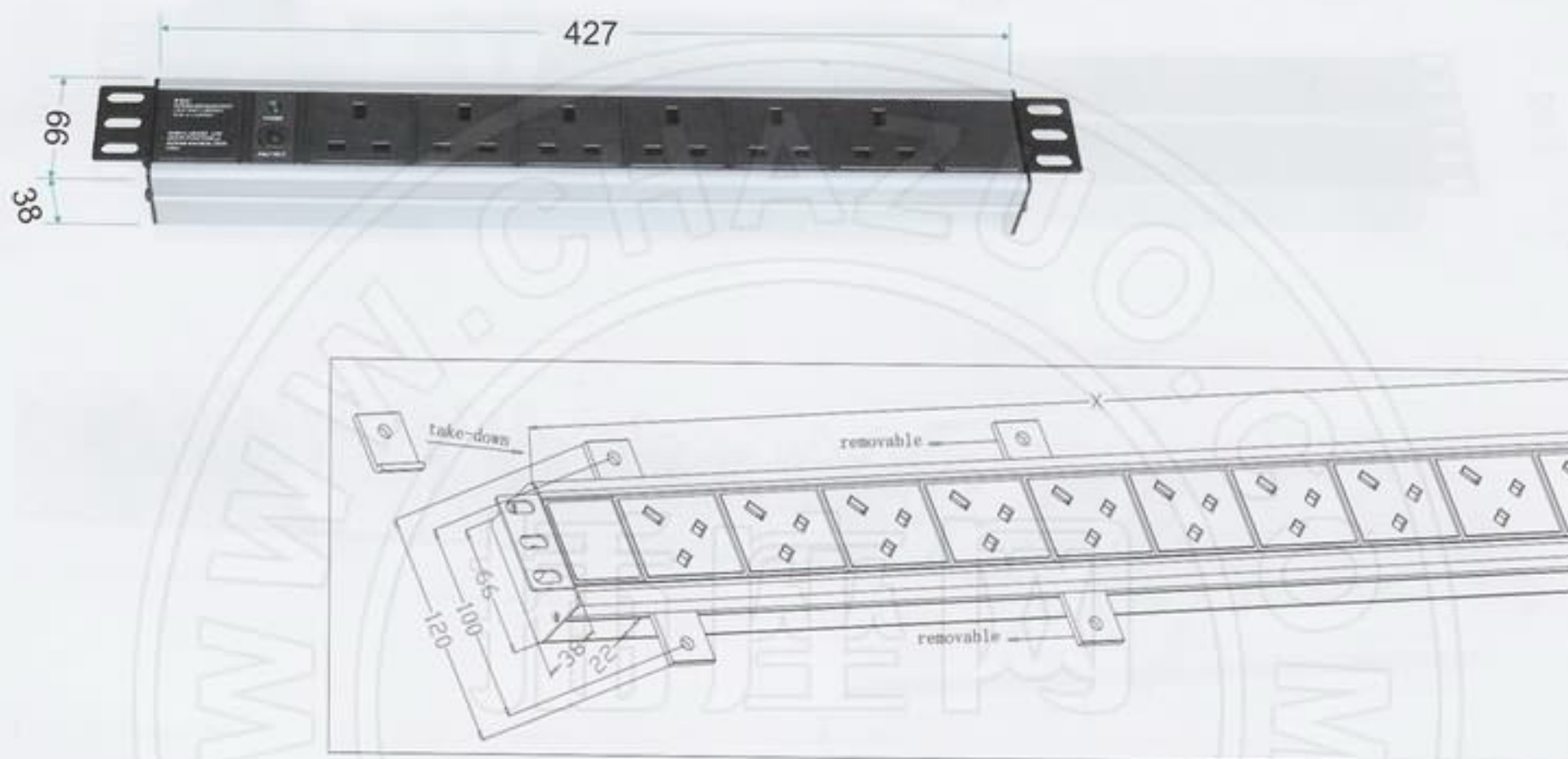
AUE2230 series PDU Product size: $L \times W \times H = X \times 68 \times 44.4\text{mm}$ (1U)



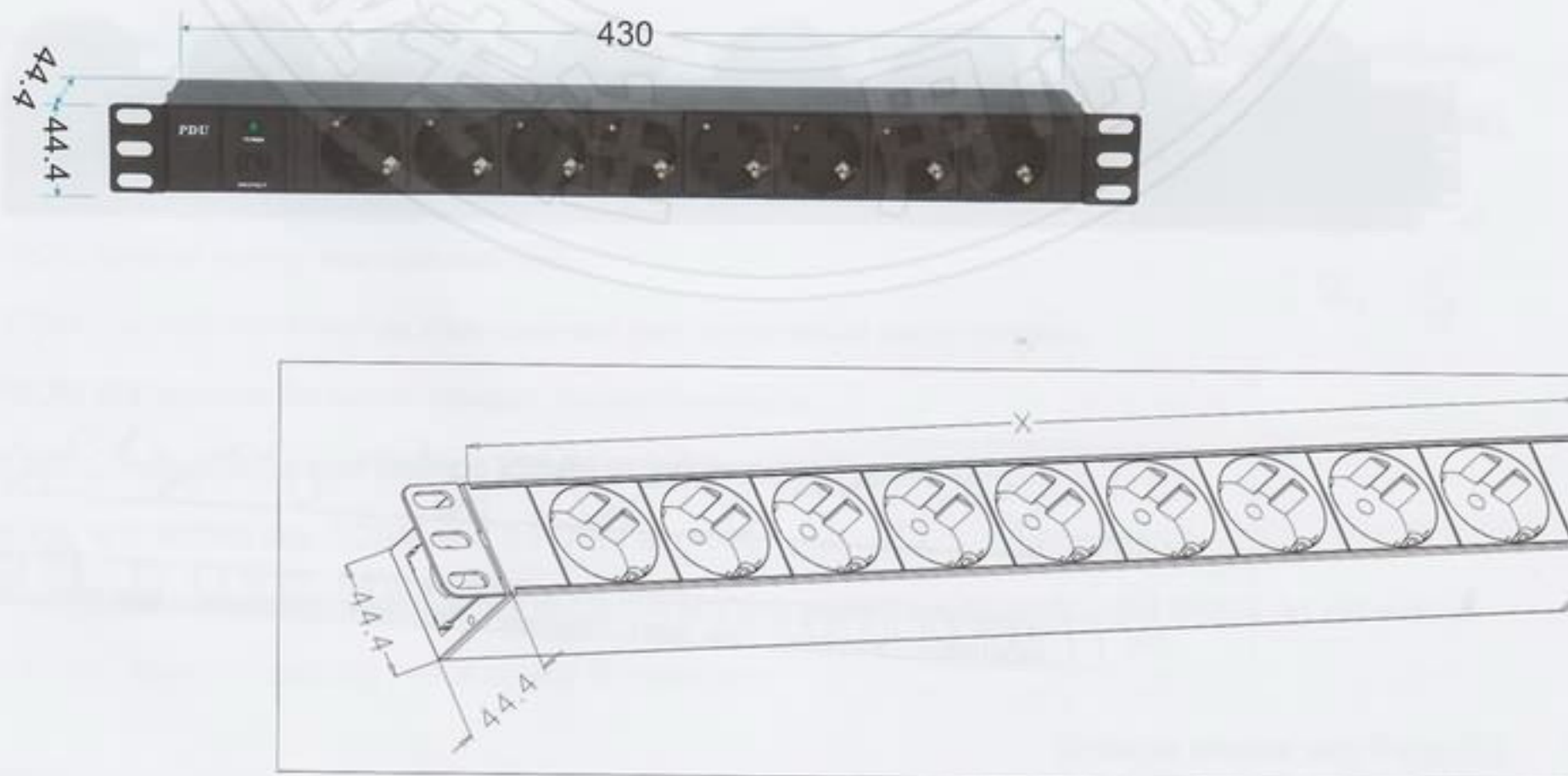
* Explanation: "X" indicates that the length of the product can be made by customer's requirement.

CLEVER PDU all are modularized structure, please find relative modules you need.

AUE2240 series PDU Product size: $L \times W \times H = X^* \times 38 \times 66\text{mm}$ (1.5U)

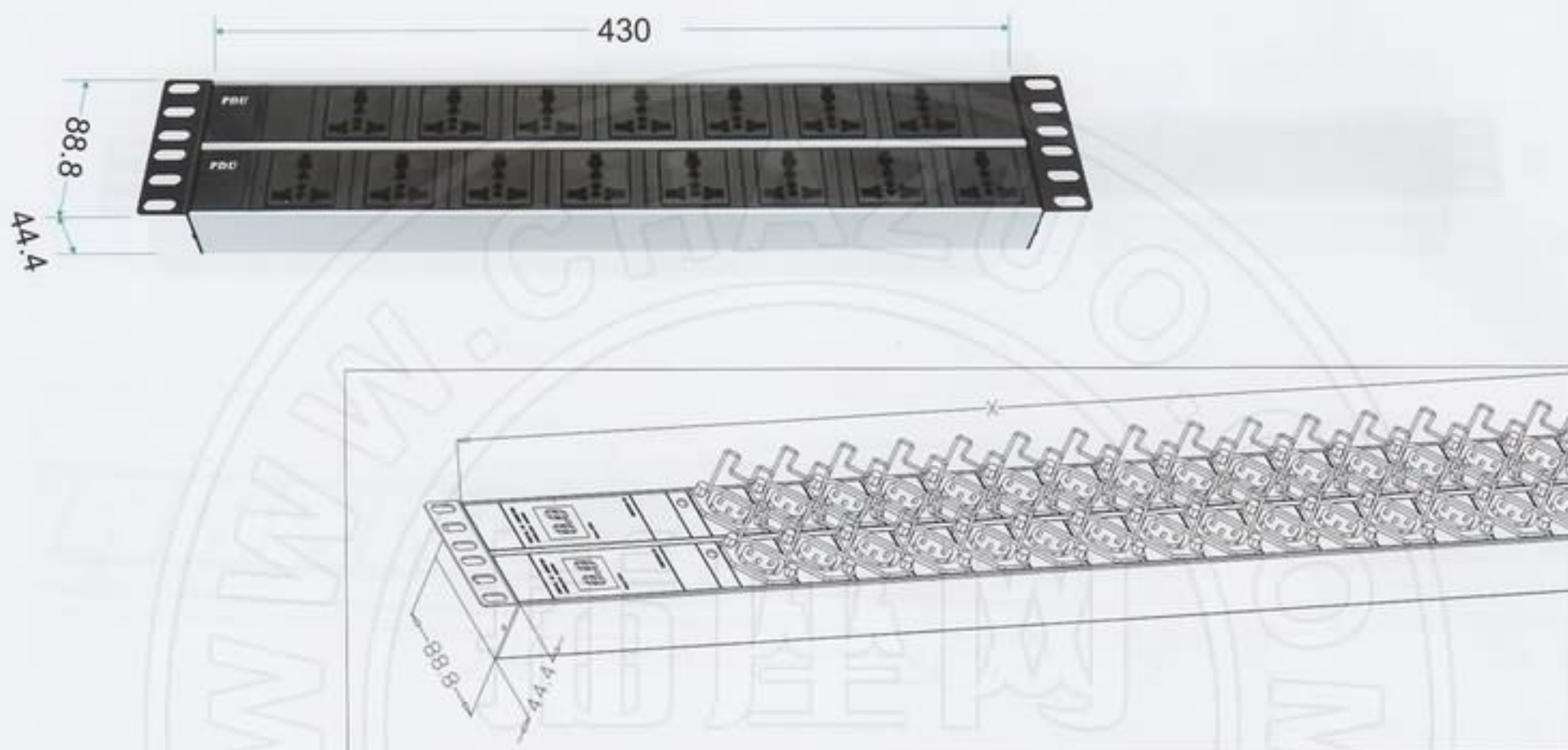


AUE2250 series PDU Product size: $L \times W \times H = X^* \times 44.4 \times 44.4\text{mm}$ (square 1U)

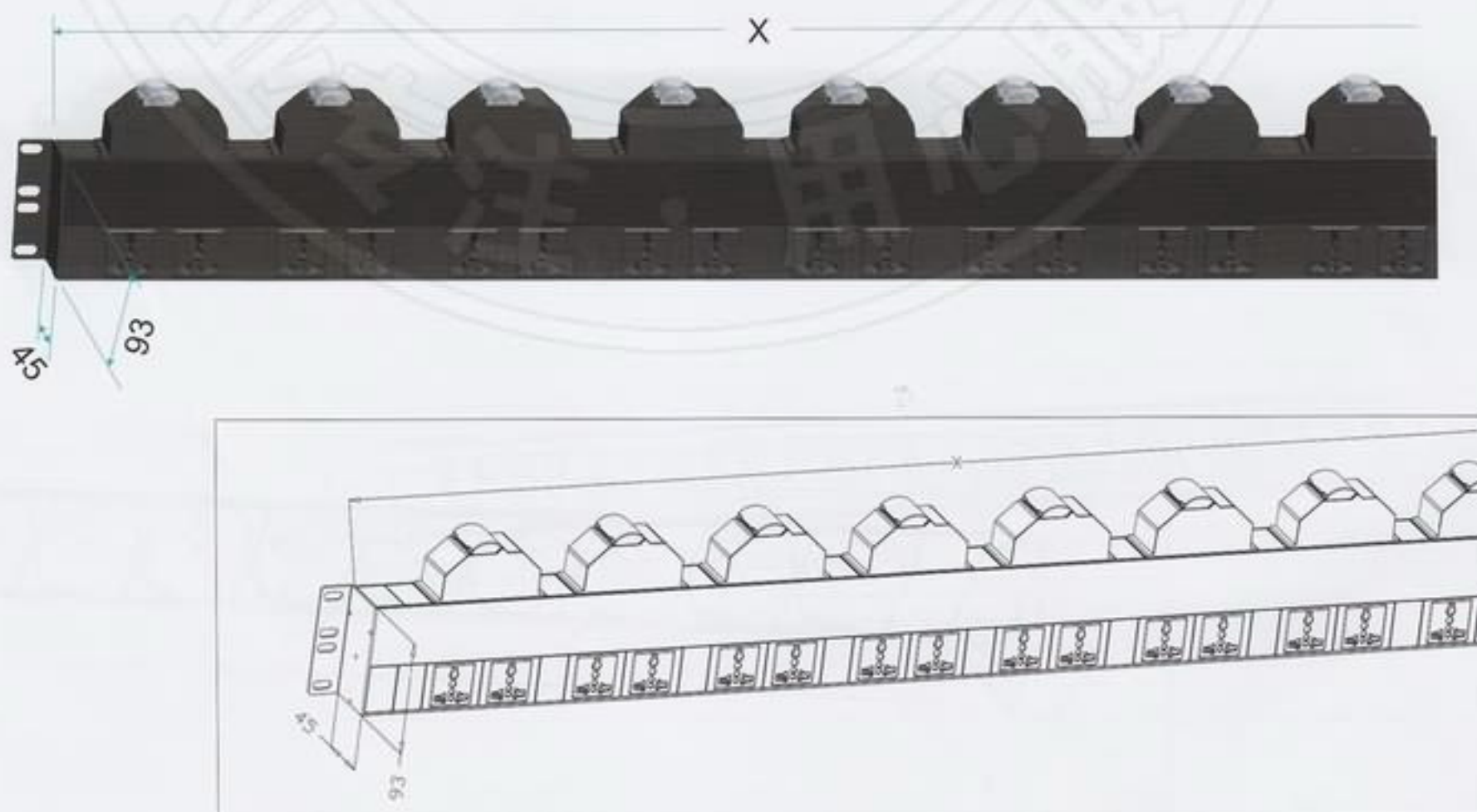


* Explanation: "X" indicates that the length of the product can be made by customer's requirement.
CLEVER PDU all are modularized structure, please find relative modules you need.

AUE2260 series PDU Product size: $L \times W \times H = X \times 44.4 \times 88.8\text{mm}$ (double U)

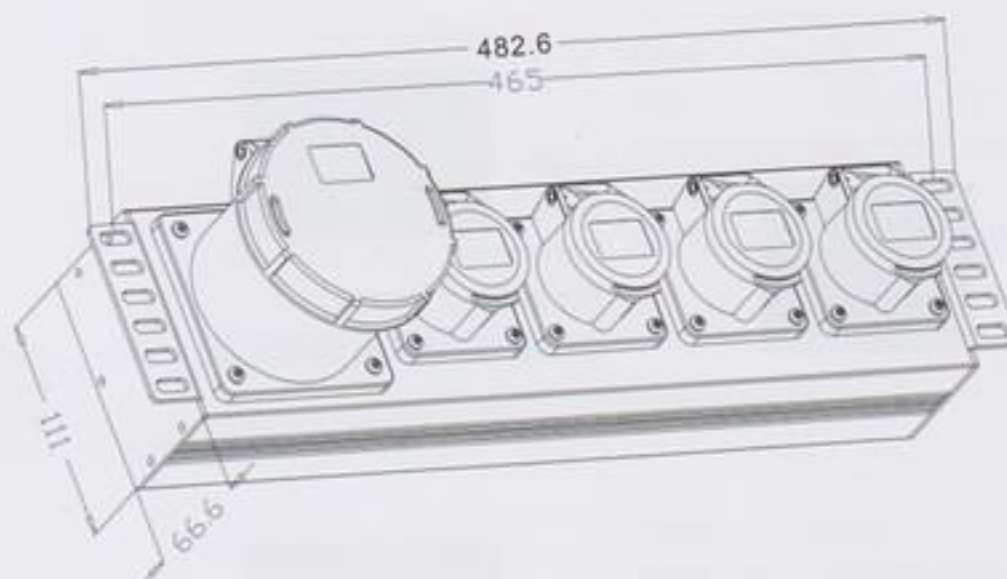
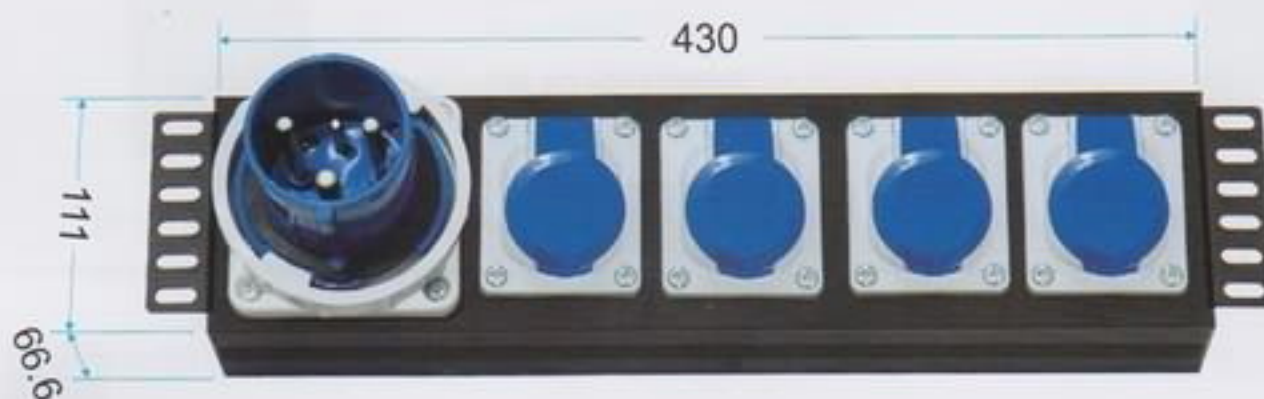


AUE2270 series PDU Product size: $L \times W \times H = X \times 45 \times 93\text{mm}$ (for telecom)



* Explanation: "X" indicates that the length of the product can be made by customer's requirement.
CLEVER PDU all are modularized structure, please find relative modules you need.

AUE2280 series PDU Product size: $L \times W \times H = X \times 66.6 \times 111\text{mm}$ (industrial standard)



AUE2290 series PDU Product size: $L \times W \times H = X \times 71.5 \times 38.5\text{mm}$ (PCDS)

PCDS(Power Controlling Distribution System) is formed by PGDS(Power Generatrix Distribution System), PCSM (Power Controlling System Module) and PDUM(Power Distribution Unit Module).

PCDS Characteristic:

1. PGDS general wiring, the max load 96A;
2. PCSM has individual remote management and automatic alarm function;
3. PDUM are suitable for world different standard sockets;
4. PCDS can exchange and enlarge PDUM in uninterrupted operation;
5. PCDS is matched one PCSM and 6 PDUM at most;
6. Power input connecting terminal box is convenient for customers to mount and debug on job site;
7. Vertically mount in cabinet , save space in maximum.

(Details please see Page 32)

* Explanation: "X" indicates that the length of the product can be made by customer's requirement.
 CLEVER PDU all are modularized structure, please find relative modules you need.

5. Introduction of modules

5.1. Output unit style



Code S-C1
Style IEC320 C13
Parameter 10A 250VAC
For product Series
2 3 4 5 6 7



Code S-C2
Style IEC320 C13
Parameter 10A 250VAC
For product Series
3 5 6 7



Code S-C3
Style IEC320 C13
Parameter 10A 250VAC
For product Series
3 5 6 7



Code S-C4
Style IEC320 C13
Parameter 10A 250VAC
For product Series
3 5 6 7



Code S-C5
Style IEC320 C13
Parameter 10A 250VAC
For product Series
3 5 6 7



Code S-C6
Style IEC320 C13
Parameter 10A 250VAC
For product Series
2 3 4 5 6 7



Code S-E1
Style IEC320 C19
Parameter 16A 250VAC
For product Series
2 4



Code S-E2
Style IEC320 C19
Parameter 16A 250VAC
For product Series
3 5 6 7



Code S-M1
Style NEMA 5-15R
Parameter 15A 125VAC
For product Series
2 4



Code S-M2
Style NEMA 5-15R
Parameter 15A 125VAC
For product Series
3 5 6 7



Code S-M3
Style NEMA 5-20R
Parameter 20A 125VAC
For product Series

2 4



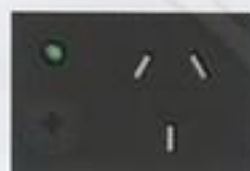
Code S-M4
Style NEMA 5-20R
Parameter 20A 125VAC
For product Series

3 5 6 7



Code S-A1
Style AS/NZS 3112
Parameter 10A 250VAC
For product Series

3 5 6 7



Code S-A2
Style AS/NZS 3112
Parameter 10A 250VAC
For product Series

3 5 6 7



Code S-A3
Style AS/NZS 3112
Parameter 15A 250VAC
For product Series

3 5 6 7



Code S-A4
Style AS/NZS 3112
Parameter 15A 250VAC
For product Series

3 5 6 7



Code S-G1
Style GB1002
Parameter 10A 250VAC
For product Series

2 4



Code S-Z1
Style GB1002
Parameter 16A 250VAC
For product Series

2 4



Code S-G2
Style GB1002
Parameter 10A 250VAC
For product Series

3 5 6 7



Code S-Z2
Style GB1002
Parameter 16A 250VAC
For product Series

3 5 6 7



Code S-G3
Style GB1002
Parameter 10A 250VAC
For product Series

3 5 6 7



Code S-Z3
Style GB1002
Parameter 16A 250VAC
For product Series

3 5 6 7



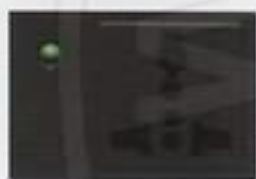
Code S-W1
Style GB2099.3
Parameter 10A 250VAC
For product Series

2 4



Code S-W2
Style GB2099.3
Parameter 10A 250VAC
For product Series

3 5 6 7



Code S-W3
Style GB2099.3
Parameter 10A 250VAC
For product Series

3 5 6 7



Code S-K1
Style SR 107-2-D1
Parameter 10A 250VAC
For product Series

3 5 6 7



Code S-K2
Style SR 107-2-D1
Parameter 10A 250VAC
For product Series

3 5 6 7



Code S-F1
Style NF C61-314
Parameter 16A 250VAC
For product Series

2



Code S-F2
Style NF C61-314
Parameter 16A 250VAC
For product Series

3 5 6 7



Code S-D1
Style DIN49440
Parameter 16A 250VAC
For product Series

2



Code S-D2
Style DIN49440
Parameter 16A 250VAC
For product Series

3 5 6 7



Code S-Y1
Style ITALY UNIVERSAL
Parameter 16A 250VAC
For product Series

2



Code S-V1
Style INDIA SOCKET
Parameter 6A 250VAC
For product Series

2



Code S-V2
Style INDIA SOCKET
Parameter 16A 250VAC
For product Series

2



Code S-V3
Style INDIA SOCKET
Parameter 6/16A 250VAC
For product Series

2



Code S-B1
Style BS1363(90°)
Parameter 13A 250VAC
For product Series

2 4



Code S-B2
Style BS1363(45°)
Parameter 13A 250VAC
For product Series

2 4



Code S-B3
Style BS1363(135°)
Parameter 13A 250VAC
For product Series

2 4

Other one



Code S-Q1
Style GST18
Parameter 16A 250VAC
For product Series

2 4



Code S-Q2
Style GST18
Parameter 16A 250VAC
For product Series

3 5 6 7



Code S-N1
Style IEC60309
Parameter 380VAC
For product Series

8



Code S-N2
Style IEC60309
Parameter 250VAC
For product Series

8



Code S-N3
Style IEC60309
Parameter 110VAC
For product Series

8



Code S-N4
Style IEC60309
Parameter 380VAC
For product Series

8



Code S-N5
Style IEC60309
Parameter 250VAC
For product Series

8



Code S-N6
Style IEC60309
Parameter 110VAC
For product Series

8

Explanation: more types please contact sales department.

5.2. Power input style



Code IN-A
Description Left end single
input style
For product Series

2 3 4 5 6 7



Code IN-B
Description Left end double
input style
For product Series

2 3 4 6 7



Code IN-C
Description Right end single
input style
For product Series

2 3 4 5 6 7



Code IN-D
Description Right end double
input style
For product Series

2 3 4 6 7



Code IN-E
Description Both ends single
input style
For product Series

2 3 4 5 6 7



Code IN-F
Description Both ends double
input style
For product Series

2 3 4 6 7



Code IN-G
Description IEC320 C14
input style
For product Series

2 3 4 5 6 7



Code IN-H
Description IEC320 C20
input style
For product Series

2 3 4 5 6 7



Code IN-P
Description IEC320 C14(anti-fall)
input style
For product Series

3 5 6 7



Code IN-L
Description Back input style
For product Series

2 3 4 5 6 7



Code IN-Q
Description GST18 input style
For product Series
2 3 4 5 6 7



Code IN-R
Description Wire terminal connection box input style
For product Series
2 4



Code IN-T
Description Wire terminal connection box input style
For product Series
3 5 6 7



Power input connecting terminal box is convenient for customers to mount and debug on job site.

5.3. Installation method



Code M-H
Description Frontal installation style
For product Series
2 3 4 5 6 7 8



Code M-V
Description Inverse installation style
For product Series
2 3 4 5 6 7 8



Code M-C
Description Frontal side installation style
For product Series
2 5 6 7



Code M-B
Description Both sides installation style
For product Series
4

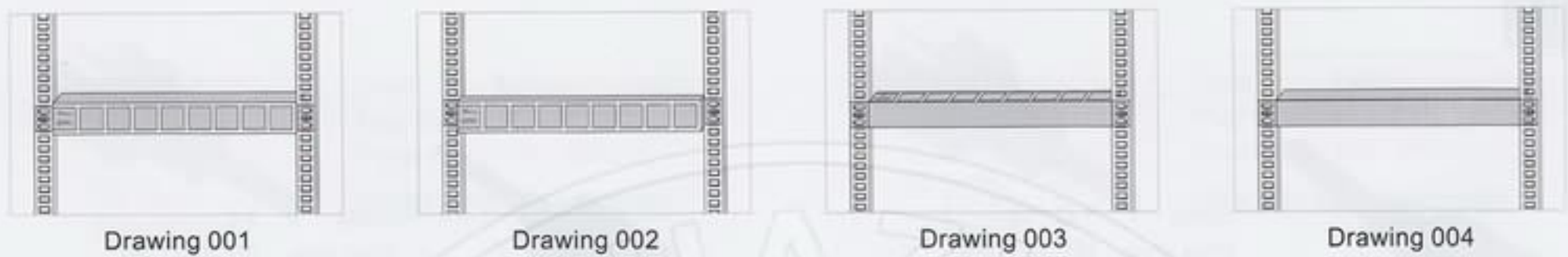


Code M-R
Description Inverse side installation style
For product Series
2 5 6 7

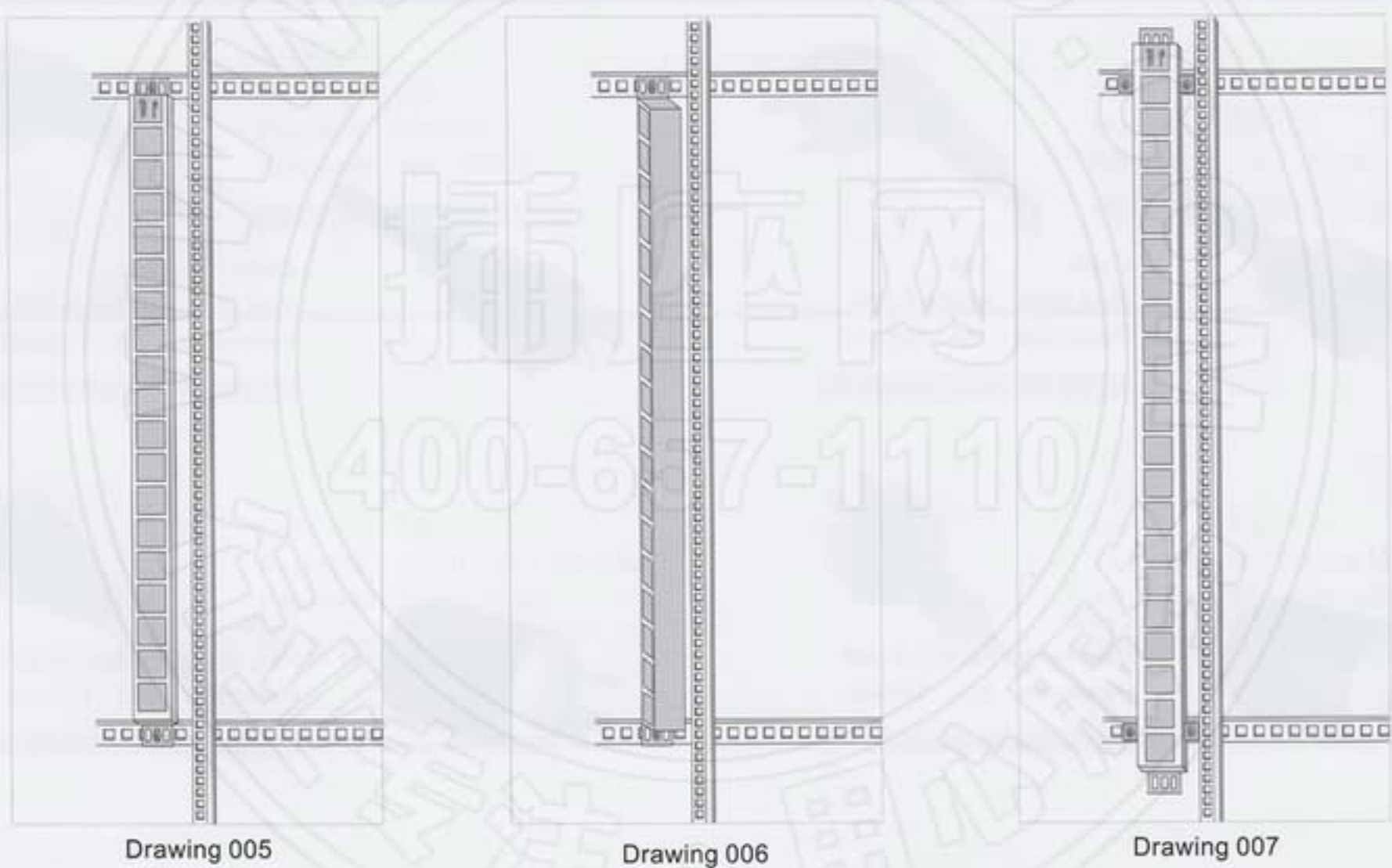


Code M-M
Description Multi-sides installation style
For product Series
3 5

5.3.1. Horizontal installation method



5.3.2. Vertical installation method



5.4. Input part

For all PDU series.

5.4.1. Input voltage range

Sheet 001

Input voltage range	Rating standard voltage	Frequency
110VAC	125VAC	50/60Hz
220VAC	250VAC	
380VAC	380VAC	

5.4.2. Input characteristics

Input cable type made according customer's technology requirement.

5.4.3. Input connect type



Code T-C
Plug style IEC320 C14
Parameter 10A 250VAC



Code T-I
Plug style IEC320 C20
Parameter 16A 250VAC



Code T-M
Plug style NEMA 5-15P
Parameter 15A 125VAC



Code T-H
Plug style NEMA 5-20P
Parameter 20A 125VAC



Code T-N
Plug style NEMA L5-20P
Parameter 20A 125VAC



Code T-O
Plug style NEMA L5-30P
Parameter 30A 125VAC



Code T-P
Plug style NEMA L6-20P
Parameter 20A 250VAC



Code T-Q
Plug style NEMA L6-30P
Parameter 30A 250VAC



Code T-A
Plug style AS/NZS 3112
Parameter 10A 250VAC



Code T-R
Plug style AS/NZS 3112
Parameter 15A 250VAC



Code T-G
Plug style GB1002
Parameter 10A 250VAC



Code T-Z
Plug style GB1002
Parameter 16A 250VAC



Code T-S
Plug style SR 107-2-D1 DK 2-1a
Parameter 10A 250VAC



Code T-L
Plug style SR 107-2-D1 DK 2-5a
Parameter 10A 250VAC



Code T-D
Plug style DIN49441
Parameter 16A 250VAC



Code T-T
Plug style ITALY
Parameter 10A 250VAC



Code T-Y
Plug style ITALY
Parameter 16A 250VAC





Code T-U
Plug style BS546
Parameter 6A 250VAC



Code T-V
Plug style BS546
Parameter 16A 250VAC



Code T-B
Plug style BS1363
Parameter 13A 250VAC



Code T-W/X IP44
Plug style IEC60309
Parameter 16A/32A 125VAC



Code T-E/F IP44
Plug style IEC60309
Parameter 16A/32A 250VAC



Code T-J/K IP44
Plug style IEC60309
Parameter 16A/32A 380VAC



Other one



Code T-
Plug style GST18
Parameter 16A 250VAC



Code T-
Plug style Aviation plug
Parameter 16A 250VAC





Type IP44
Plug style IEC60309
Parameter 125VAC



Type IP44
Plug style IEC60309
Parameter 250VAC



Type IP44
Plug style IEC60309
Parameter 380VAC



Type IP44
Plug style IEC60309
Parameter 125VAC



Type IP44
Plug style IEC60309
Parameter 250VAC



Type IP44
Plug style IEC60309
Parameter 380VAC



Type IP67
Plug style IEC60309
Parameter 380VAC



Type IP67
Plug style IEC60309
Parameter 125VAC



Type IP67
Plug style IEC60309
Parameter 250VAC



Type IP67
Plug style IEC60309
Parameter 380VAC

Explanation: more types please contact sales department.

5.5. Control function



Code C-K
Name Master switch
Parameter 10A/16A 250VAC
For product Series

2 4



Code C-C
Name Lighted master switch
Parameter 10A/16A 250VAC
For product Series

2 4



Code C-K
Name Master switch
Parameter 10A/16A 250VAC
For product Series

3 5 6 7



Code C-C
Name Lighted master switch
Parameter 10A/16A 250VAC
For product Series

3 5 6 7



Code C-G
Name Mini circuit breaker
Parameter 1A-60A
For product Series

2 4



Code C-G
Name Mini circuit breaker
Parameter 1A-60A
For product Series

3 5 6 7



Code C-G
Name Mini circuit breaker
Parameter 1A-60A
For product Series

3 5 6 7



Code C-G
Name Mini circuit breaker
Parameter 1A-60A
For product Series

9



Code C-S
Name single controlled switch & fuse device
Parameter 125V/250VAC
For product Series

2



Code C-P
Name Single power indicator
Parameter 125V/250VAC
For product Series

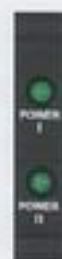
2 4

Explanation: more types please contact sales department.



Code C-P
Name Single power indicator
Parameter 125V/250VAC
For product Series

3 5 6 7



Code C-B
Name Double power indicator
Parameter 125V/250VAC
For product Series

2 4



Code C-D
Name Single controlled fuse device & power indicator
Parameter 1A-10A
For product Series

2 3 5 6 7



Code C-D
Name Single controlled fuse device & power indicator
Parameter 1A-32A
For product Series

2 9



Code C-E
Name Master overload protector & power indicator
Parameter 10A-20A
For product Series

2 4



Code C-E
Name Master overload protector & power indicator
Parameter 10A-20A
For product Series

3 5 6 7

5.6. Protection function



Code P-L
Name AUEC-M30
Parameter refer to sheet 002
For product Series

2



Code P-H
Name AUEC A20-C2*
Parameter refer to sheet 003
For product Series

2 3 4 5 6 7



Code P-H
Name AUEC A20-C2*
Parameter refer to sheet 003
For product Series

2 3 4 5 6 7



Code P-H
Name AUEC A20-C2*
Parameter refer to sheet 003
For product Series

2 4



Code P-H
Name AUEC A20-C2*
Parameter refer to sheet 003
For product Series

3 5 6 7



Code P-E
Name OEL2-16
Parameter refer to sheet 004
For product Series

2 4



Code P-G
Name MB3306
Parameter refer to sheet 005
For product Series

2 3 4 5 6 7



Code P-C
Name MB3306
Parameter refer to sheet 005
For product Series

2 3 4 5 6 7



Code P-S
Name AUEC-M01
Parameter refer to sheet 006
For product Series

2 4



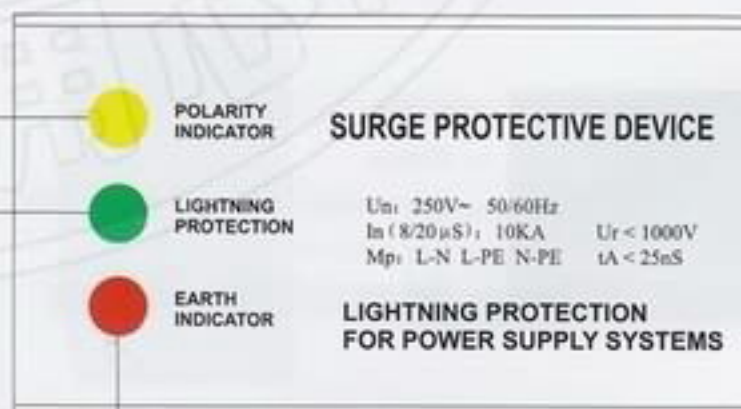
Code P-T
Name AUEC-M01
Parameter refer to sheet 006
For product Series

2 4

Surge protective device

Sheet 002

AUEC-M30 Performance index	Parameter
Rated voltage	250VAC 50/60Hz
Rated load current I_R	16A
Max. Power P_{max}	4000W
Max. Continuous operating voltage U_c	320VAC
Measured limiting voltage U_r	<1000V
Nominal discharge current (8/20 μ S) I_n	10KA
Voltage protection level U_p	<1000V
Response time t_a	< 25 nS
Protection mode	L-N L-PE N-PE
Polarity indicator	Yellow LED
Lightning protection	Green LED
Earth indicator	Red LED
Alternative filtration	Highly efficient
Insulation resistance R_{is}	>100M Ω
Fire resistance	Up to UL94V-0
Environment temperature	-40 $^{\circ}$ C ~ +70 $^{\circ}$ C
Relative humidity	$\leq$ 95%



Indicator light for an automatic detection of earth wire
 Activated red LED when there is no ground connection available
 Disabled red LED when there is a sound ground connection

Lightning protection failure alarming

Activated green LED when the lightning protection circuit is in normal working status
 Disabled green LED when the lightning protection circuit fails

Indicator light for an automatic polarity detection of live line and null line

Activated yellow LED when live line and null line are connected in the wrong way
 Disabled yellow LED when live line and null line are connected in the right way

Replaceable surge protection component

Sheet 003

Performance index	A20-C2	A20-C2'
Rating voltage U_n	250VAC	50/60Hz
Max. Persist work voltage	300VAC	
Nominal discharge current (8/20 μ S) I_n	10KA	
Residual voltage (8/20 μ S) U_r	<1000V	
Response time t_A	< 25 nS	
Protect mode	L/N-PE	
Invalidation indicator	No	Yes
Insulating resistance	>10G Ω	
Allowed working temperature	-40 $^{\circ}$ C ~ +80 $^{\circ}$ C	
Relative humidity	$\leq$ 95%	

Residual current circuit breaker

Sheet 004

Performance index	OEL2-16
Rating voltage U_n	250VAC 50/60Hz
Rating current	10A/16A
Rating residual operating current	30mA
Rating residual non-operating current	15mA
Rating operating time	$\leq$ 0.3s
Ability of rating Short circuit put through/cut off	500A

Digital AC amperemeter

Sheet 005

Performance index	MB3306	MB3307
Max. Input	AC 16A/32A	AC 3 $\times$ 16/32A
Full measurement	AC 16A/32A	AC 16A/32A
Accuracy	$\pm 1.0\% + 1\text{Digit}$	
Resolution	200mA	
Frequency range	50-60Hz	
Digit display	2	
Display	Red LED	
Overload alarm	Overload automatic alarm	
Power supply	125/250VAC	380VAC

Surge protector for network and telephone

Sheet 006

Performance index	AUEC-M01	AUEC-M03
Voltage U_c	180V	5V
Nominal discharge current (8/20 μ S) I_n	5KA	5KA
Voltage protection level (10/700 μ S) U_p	< 400V	< 30V
Response time t_A	< 10nS	< 10nS
Data transmission speed Bit/s	> 10M	> 100M
Insertion loss dB	< 0.5dB	< 0.5dB
Protection cable core	3.4	1.2,3.6
Tie-in modality	RJ11	RJ45



Code P-N
Name MB3307
Parameter refer to sheet 005
For product Series

2 3 4 5 6 7



5.7. Case color



Code Y-W
Name Aluminium alloy
Parameter White
For product Series

2 3 4 5 6 7 8 9

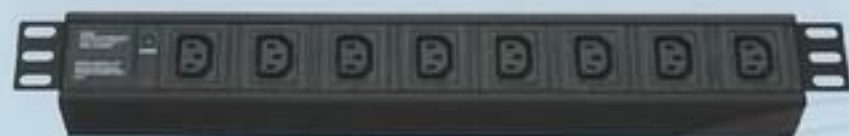


Code Y-B
Name Aluminium alloy
Parameter Black
For product Series

2 3 4 5 6 7 8 9

6. SOME OF PRODUCTS POPULAR USE:

6.1. Some pictures of AUE2220 series PDU



AUE220C1-08AHGPMB

Drawing 008



AUE220C1-08AHGEMB

Drawing 009



AUE220C1-06AHZGMB

Drawing 010



AUE220Z1-08AHZEMB

Drawing 011



AUE220W1-10AHGNMB

Drawing 012



AUE220D1-06AHDNLB

Drawing 013



AUE220D1-06AHDKMB

Drawing 014



AUE220Y1-06AHYCMB

Drawing 015



AUE220B1-06AHBCMB

Drawing 016



AUE220B1-06AHBKMB

Drawing 017



AUE220B1-06AHBPMW

Drawing 018



AUE220B2-06AHBWMW

Drawing 019

6.2. Some pictures of AUE2230 series PDU



AUE2230C1-07AHGGMB

Drawing 020



AUE2230C1-10AHCEMB

Drawing 021



AUE2230C1-10AHCNMB

Drawing 022



AUE2230C4-10AHCPMB

Drawing 023



AUE2230E2-04AHIGMB

Drawing 024



AUE2230M2-10AHMEMB

Drawing 025



AUE2230Z3-06AHZDMB

Drawing 026



AUE2230W2-07AHGWMB

Drawing 027



AUE2230F2-08AHDEMB

Drawing 028



AUE2230D2-09AHDPMB

Drawing 029



AUE2230D2-06AHDGMB

Drawing 030



AUE2230Q2-04QHNNMB

Drawing 031



AUE2230C1-10AHNNMB

Drawing 032



AUE2230C1-09AHNEMB

Drawing 033



AUE2230C2-12AHNEMB

Drawing 034



AUE2230C3-08AHNDMB

Drawing 035



AUE2230C4-10AHNNMW

Drawing 036



AUE2230C5-06PHNDMW

Drawing 037



AUE2230E2-06AHNNMB

Drawing 038



AUE2230E2-05HHNNMB

Drawing 039



AUE2230M2-10AHNNMB

Drawing 040



AUE2230M2-09AHNEMB

Drawing 041



AUE2230M4-10AHNNMB

Drawing 042



AUE2230M4-09AHNEMB

Drawing 043

6.3. Some pictures of AUE2240 series PDU



AUE2240M1-07ABMWMB

Drawing 044



AUE2240B1-06ABBEMW

Drawing 045



AUE2240B2-06ABBPMB

Drawing 046



AUE2240B3-06ABBPMB

Drawing 047



AUE2240C1-18CBNEMB

Drawing 048



AUE2240B3-12CBNWMB

Drawing 049



AUE2240B3-20ABFBMB

Drawing 050



AUE2240B3-24ABFBMB

Drawing 051

6.4. Some pictures of AUE2250 series PDU



AUE2250C1-06AMCPMB

Drawing 052



AUE2250C1-08AMCPMB

Drawing 053



AUE2250C1-10AHCEMB

Drawing 054



AUE2250W2-08AHGNMW

Drawing 055



AUE2250K1-08AMSPMW

Drawing 056



AUE2250K2-08AMLPMW

Drawing 057



AUE2250F2-08AHDEMB

Drawing 058



AUE2250F2-09AMDNMW

Drawing 059



AUE2250F2-08AMDPMW

Drawing 060



AUE2250F2-08AMDCMW

Drawing 061



AUE2250D2-08AMDCMW

Drawing 062



AUE2250D2-09AMDNMW

Drawing 063

6.5. Some pictures of AUE2260 series PDU



AUE2260C1-20BHCEMB

Drawing 064



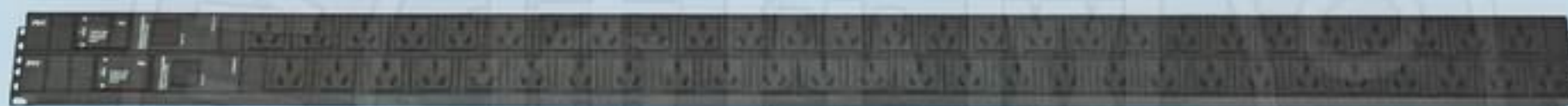
AUE2260W2-15BHGNMW

Drawing 065



AUE2260C1-76BVCRMB

Drawing 066



AUE2260Z2-54TVZNGB

Drawing 067

6.6. Some pictures of AUE2270 series PDU



AUE2270C1-22AVCGMB

Drawing 068



AUE2270W2-24DVEGMB

Drawing 069



AUE2270W2-30DVEGMB

Drawing 070

AUE2270 is the new PDU product specially designed for telecom system customers, every outlet is controlled and protected by individual Mini Circuit Breaker.

6.7. Some pictures of AUE2290 series PDU

PCDS(Power Controlling Distribution System) is formed by PGDS(Power Generatrix Distribution System), PCSM (Power Controlling System Module) and PDUM(Power Distribution Unit Module).

PCDS Characteristic:

1. PGDS general wiring, the max load 96A;
2. PCSM has individual remote management and automatic alarm function;
3. PDUM are suitable for world different standard sockets;
4. PCDS can exchange and enlarge PDUM in uninterrupted operation;
5. PCDS is matched one PCSM and 6 PDUM at most;
6. Power input connecting terminal box is convenient for customers to mount and debug on job site;
7. Vertically mount in cabinet , save space in maximum.



6.7.1. Socket module (PDUM)



IEC320 C13



IEC320 C19



NEMA 5-15R



NEMA 5-20R



GB1002/10A



GB1002/16A



GB2099.3



NF C61-314



DIN49440



ITALY



INDIA



BS1363



BS1363



GST18

6.8. Some pictures of AUE2280 series PDU



Drawing 071



Drawing 072



Drawing 073



Drawing 074



Drawing 075



Drawing 076



Drawing 077



Drawing 078

AUE2280 is the new PDU product designed according to IEC60309 industrial standard.

Explanation: more types please contact sales department.

7. Fittings

7.1. Optional fittings



Drawing 079

Code	E001
Specification	10A 250VAC
Plug	IEC320 C14
Connector	IEC320 C13
Cable line	3×1.0 mm ² ×2M



Drawing 080

Code	E002
Specification	10A 250/125VAC
Plug	IEC60906
Connector	IEC320 C13
Cable line	3×1.5 mm ² ×3M



Drawing 081

Code	E003
Specification	10A 250VAC
Plug	GB1002
Connector	IEC320 C13
Cable line	3×1.5 mm ² ×3M



Drawing 082

Code	E004
Specification	16A 250VAC
Plug	IEC60309
Connector	IEC320 C19
Cable line	3×2.5 mm ² ×3M



Drawing 083

Code	E005
Specification	16A 250VAC
Plug	DIN49441
Connector	IEC320 C19
Cable line	3×1.5 mm ² ×3M



Drawing 084

Code	E006
Specification	16A 250VAC
Plug	IEC320 C20
Connector	IEC320 C19
Cable line	3×1.5 mm ² ×3M

Explanation: more types please contact sales department.

8. SAFETY PRECAUTIONS

- 8.1. Before each use, check to confirm that the marked nominal voltage is same as the supply voltage used in your country or region. Use of any product with a different nominal voltage is forbidden.
- 8.2. For a safety power consumption and desirable lightening protection, please check your supply line carefully to make sure that such line is earth connected.
- 8.3. When the Product is equipped with AUEC-M30 power lightening protection module, the occurrence of followings shall be the cause to stop the use immediately. The Product shall then be immediately sent to a local authorized repair shop for further treatment.
 - 8.3.1. A working red light means the absence of earth connection of your power supply system, which shall be the case to call a professional to check the circuit. Earth wire shall be correctly connected till the disability of red light.
 - 8.3.2. A working yellow light indicates that live line L and null line N of your supply line are in wrong position. It is only reasonable to call a professional to check the supply line and to arrange live line and null line in correct positions till the disability of yellow light.
 - 8.3.3. Out-of-operation green light means that the lightening protection circuit is disabled.
- 8.4. For safety power consumption, please check the maximum power of electronics or electric equipment in a cabinet to ensure that such power is less than the maximum output power allowed in the system. Any overload application is strictly forbidden.
- 8.5. For a socket system equipped with an overload protective device, when fuse blows out and no power is supplied, please stop the power supply of connected equipment first, turn the knob on the overload protective device in a counter-clockwise direction to take out the disabled fuse tube. Change the disabled tube with a new one in the same specification, set the changed tube in the overload protective device and turn the knob in a clockwise direction, the device is now ready for a normal operation.
- 8.6. Outdoor use of this product is strictly forbidden.
- 8.7. Any unauthorized disassembly of the Product is not permitted. The manufacturer claims no responsibility for any losses or damages arising out of or in connection with such unauthorized disassembly.
- 8.8. Stop the power supply immediately at the detection of any defects of the Product, pull the cable plug out and deliver to a local authorized repair shop for further treatment.

9. SAFETY AUTHENTICATION

All Clever's PDU products are manufactured by environmental protection materials and components, accord with the regulations of European Union RoHS directive, and we had passed test of SGS.





Patent: 02152073.9
02365606.9
03113908.6

Patented products, any
fraudulently copy is
strictly forbidden.



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2008.1

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