

JSY- MK-352 **Intelligent PDU Modules User Manual**

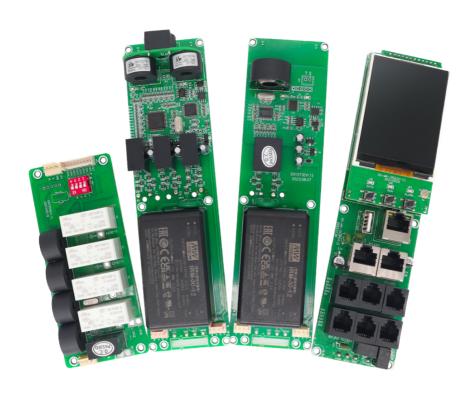




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1. Introduction

Professional-grade network remote monitoring and management power distribution system is the latest scientific research achievement in the field of power distribution technology after years of dedicated research. This product is based on the development trend of the world's future power distribution monitoring and management technology, combined with the technical requirements of the modern data center application environment, and adopts the latest core technology with completely independent intellectual property rights, as well as network communication, power distribution, and electric energy metering technologies to design the latest network remote monitoring and management power distributor.

This device refers to the following standards:

Q/GDW 1354-2013 "Smart Electricity Meter Functional Specifications".

GB/T 17626.2-1998 Electromagnetic compatibility test and measurement technology -

Electrostatic discharge immunity test. GB/T 17626.3-1998 Electromagnetic compatibility test and measurement technology -

Radio frequency electromagnetic field radiation immunity test.

GB/T 17626.4-1998 Electromagnetic compatibility test and measurement technology -Electrical fast transient pulse group immunity test.

GB/T 17626.5-1998 Electromagnetic compatibility test and measurement technology -Surge (impact) immunity test .

GB/T 17626.8-1998 Electromagnetic compatibility test and measurement technology -Power frequency magnetic field immunity test.

MODBUS-RTU communication protocol.



2. Product Introduction

2.1 Product Overview

Single-phase and three-phase smart PDU meters are based on the innovative SUM (sustainable, scalable and maintainable) design concept technology. As a key component of the metering cabinet power distribution unit (PDU), after being installed into the main body of the PDU, it can Provides active metering capabilities for energy optimization and circuit protection. User-set alarm thresholds can effectively reduce risks by warning of potential circuit overloads through real-time local and remote alarms. Metered rack PDUs provide power usage data to support data center managers in making informed decisions about load balancing and proper IT sizing, thereby significantly reducing total cost of ownership. Users can configure metered cabinet PDU via Ethernet access or RS485. This series of products can be widely used in data center rooms such as IDC, banks, securities, governments, and enterprises.

2.2 Function introduction

Pe	erformance	paramete	ers		Technical indicators
		Single	Input voltage		176-264V
	Input	Phase	Maximum to	tal	63A
	Optional	Three-	Input voltage	!	3*220V 50/60HZ
Electrical parameters		phase	Maximum tot	tal	3*32A Optional 63A, 120A, 150A
		Output	Voltage		176-264V
	Output	Output	Current		8A, optional high current 20A
		Output	Port		Optional, up to 36 ports
		Frequer	псу		50/60Hz
		Display			TFT color screen
		Operati	on buttons		Up, down, set, reset buttons
		Commu	nication interfa	ice	One Ethernet, two RS485
User inte	erface	Temper interfac	ature and hum e	idity	Two
		Switch i	nput interface		Two interfaces, 4 channels
		Switch o	output interface	e	One interface,2 channels
Electrical pa	arameter	PDU tot	al measuremer	nt	Voltage, current, power, electric energy



measure	ement	Each output measurement	Voltage, current, power, electric energy	
		Each output can be remotely turned on/off	Yes	
		Customize the power- on/power-off sequence and interval time for each output	Yes	
		Administrator permissions can be defined in different levels	Yes	
		Customize alarm signal thresholds	Voltage and current adjustable	
		Cascade function	Yes, 4 products can be cascaded	
		Load current monitoring		
		Load power monitoring		
Monitoring	function	Voltage monitoring		
		Power monitoring		
		Ambient temperature and hu	midity monitoring	
		Load current upper and lower	limit settings	
Setting the	function	Ambient temperature and huselitings	midity upper and lower limit	
Jetting the	Tariction	Email alert address settings		
		SNMP (V1, V2) settings		
	1	Network parameter settings (IP, gateway, mask, DNS)	
	system	When the load current exceed	ds the rated value	
	Alerts	When the temperature and h	umidity exceed the limit	
	Custom	When the load current exceed	ds the rated value	
Alarm	Alerts	When the temperature and h	umidity exceed the limit	
function		Buzzer beeps		
	Alerts	LCD value flashes		
	Way	Automatically send an email to the system administrator		
	,	SNMP sends Trap alarm status	s information	
		Serial communication background sends alarm status information		
Access meth	od	WEB access and control throu	igh IE	



	SNMP (V1) access and commanagement workstation	ontrol via standard network on
User Management	User ID and password se	ettings
environment	Operating temperature	-20 ~ 60 ℃
environment	Extreme operating temperature	-30 ~ 70℃
	Relative humidity	10 ~ 90%
	Storage and transportation temperature limit	-40 ~ 70 ℃

2.3 Model selection

- ♦ MK-352IP stands for intelligent PDU meter head.
- ◆ JSY-MK-352AFE stands for three-phase four-wire power module.
- ◆ JSY-1073 stands for single-phase power module.
- ◆ JSY-1054 stands for 4-channel relay control module, current specification: 8A (maximum 16A).
- ◆ JSY-1084 indicates 4-channel relay control module, current specification: 20A (maximum 50A).

3. Main functions

3.1 Real-time monitoring function

The display screen can view the monitored total load current, total voltage, total power, total electric energy, power factor, and load current parameters of each independent unit: the content displayed on the LCD screen can be viewed on the Web page, and the closed/open state of each independent unit, temperature/humidity sensor data and operating status can be controlled. 4-channel switch input can be configured by the customer, and there are 2-channel switch output.

3.2 Socket unit control

- Control the closing and opening of a single relay, or control multiple relays simultaneously.
- ◆ You can set the sequential delay power-on, up to 6 seconds. (This means that when



two or more channels are controlled continuously, after the previous channel is completed, you need to wait 6 seconds before the next channel starts to operate.)

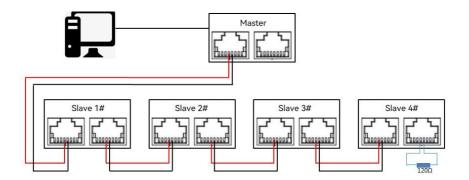
Each relay can be set to start at a fixed time and date.

3.3 **Customized alerts**

- The total load current/voltage over-limit threshold can be customized, the load current over-limit threshold of each socket unit can be customized, and the temperature/humidity over-limit threshold can be customized.
- The buzzer sounds, an email is sent to the system administrator. SNMP sends a trap alarm status information.

3.4 Master-slave (cascade) communication

The two interfaces are the same RS485 communication bus, providing two interfaces for easy cascading. RS485 communication cascade can connect up to 4 instruments. Communication cables can use ordinary shielded twisted pair cables. When RS485 communication cables are routed outdoors, attention should be paid to the grounding of the cable shielding layer. The total length of the communication cable should not exceed 1200 meters. The positive and negative polarities of the RS-485 ports of each device must be connected correctly. If the shielded twisted pair cable is long, it is recommended to connect a 120 Ω resistor at the end and reduce the transmission rate to improve the reliability of communication.



4. Technical parameters and installation

User interface and parameters 4.1



Product Structure Diagram	No.	Item	Pa	arameter
			Display Mode	TFT color screen
	1	LCD display	Display content	Meter information
			Display Direction	Adjustable
			Refresh Time	1 second
2000000000			The backlight to minutes withou	urns off after 5 t any operation
	2	Up key	Page turning, fl right, return	ashing position shift
	3	Setting Key	Set menu, conf save	irm setting items,
1 —————————————————————————————————————	4	Down key	Page turning, fl decreasing	ashing digit value
7 8 8	5	Reset button	Short press to r	restart
	6	Communication light	Yellow, flashing communication	during cascade
12—9	7	Running lights	Green, flashing running	when the system is
10 11	8	Warning light	Red, flashing w	hen in alarm
14	9	Ethernet port	Network conne	ection, remote access
14 15 16	10(11)	RS485	Cascade, paran	neter configuration
17 18	12)	USB	Software Upgra	ade
19	13)	Buzzer	Off by default	
O:	14)		1st and 2nd cha	annel switch input.
		Switching	` ' '	r immersion, door smoke detection)
	15)		3rd and 4th cha	annel switch input.
				r immersion, door smoke detection)
	16		2-channel switch	ch outputs
	① ① ① 18	Temperature and humidity	2-channel temp	perature and humidity



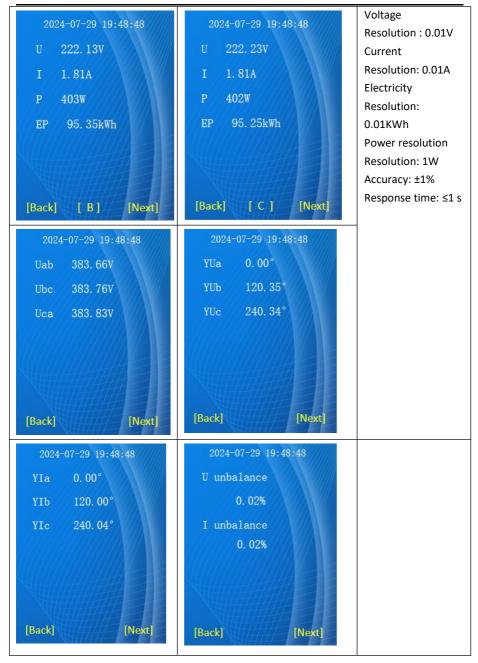
	19	RS485	Reserved function
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Note: Provide secondary development interface. SNMP (V1/V2C).

4.2 **Display interface introduction**

LCD display info	ormation graphic	Parameter Description
2024-07-29 19:48:48 MasterInfo SocketInfo SensorInfo SystemInfo [Up] [Enter] [Next]		System main menu Host Information Socket Information Environmental Information System Information
	Host Information	
2024-07-29 19:48:48 Hard 1.00 Soft 1.39 SN 2309040086 IP 192.168.1.190 [Back] [Next]	2024-07-29 19:48:48 U 222.13V I 1.82A P 405W EP 95.25kWh [Back] [A] [Next]	Hardware version number Software version number Equipment No. IP address







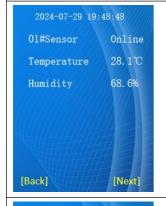
Socket Information

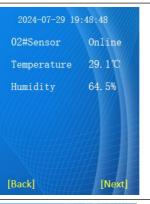


	24-07-29		
U8#	PDU	OFF	LINE
I	0. 185A		
P	41.5W		
EP	1. 2901	kWh	
[Back]	[Set]		[Next]

1 - 8 output parameters, Up to 36 channels can be connected Current, power, electrical energy. Communication abnormality shows offline. Relay settings. Password: 8310

Environmental Information







1 -channel and 2-

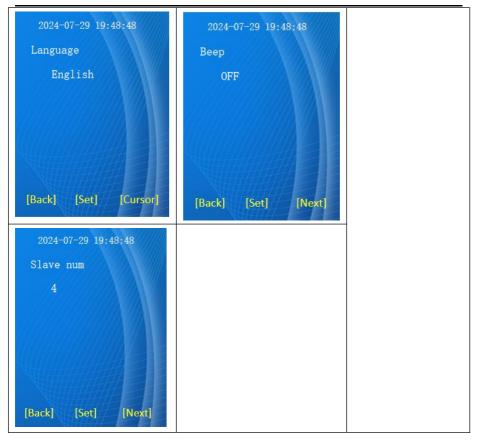
2024-07-29 19:48:48 Sensor Input $01# \times 03#$ $02# \times 04#$ [Back] [Next]





System Information Network settings: 2024-07-29 19:48:48 2024-07-29 19:48:48 **DHCP** DHCP IP Address Status: ON, OFF 192. 168. 1. 168 IP address Subnet Mask Gateway **MAC Address** Mode settings: [Back] [Set] [Next] [Back] [Set] [Next] Master/Slave#~4# Language settings: 2024-07-29 19:48:48 2024-07-29 19:48:48 [Chinese][English] Sub Mask Buzzer settings: 192. 168. 1. 255, 255, 255, 0 Status: ON, OFF Setting the number of slave machines: 1-4 cascade up to 4 [Set] [Next] [Back] [Set] [Next] 2024-07-29 19:48:48 2024-07-29 19:48:48 MAC Address Model 70-00-00-04-62-55 Master [Set] [Back] Next [Back] [Set] [Next]





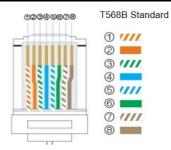
Terminal Definition 4.3

4.3.1 RS485 interface terminal

RS485 interface, Pin4 (blue) 485 A, Pin5 (blue and white) 485 B.

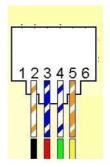
Note: The wiring color of RJ45 may be incorrect, it depends on the actual usage.





Color	Functional Description
1 Orange and white	NC
2 Orange	NC
3 Green and white	NC
4 Blue	RS485-A
5 Blue and white	RS485-B
6 Green	NC
7 Brown and white	NC
8 Brown	NC

4.3.2 Switch input interface terminal

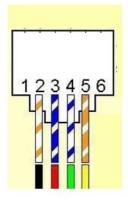


IN	1, IN2 interface
No.	Functional Description
1	Switch input 1
2	Switch input 2
3	DC 12V
4	DC 12V
5	GND
6	GND

IN3, IN4 interface		
No.	Functional Description	
1	Switch input 3	
2	Switch input 4	
3	DC 12V	
4	DC 12V	
5	GND	
6	GND	

Note: The wiring color of RJ11 may be incorrect, it depends on the actual usage.

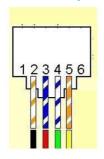
4.3.3 Switch output interface terminal



C	OUT1, IUT2 interface
No.	Functional Description
1	1st normally open output
2	1st normally closed output
3	COM1
4	2nd normally open outputs
5	2nd normally closed outputs
6	COM2



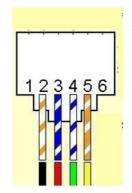
4.3.4 Temperature and humidity interface terminal



HT1 interface	
No.	Functional Description
1	GND
2	NC
3	SCL1
4	SDA1
5	GND
6	DC 5V

H	HT2 interface		
No.	Functional Description		
1	GND		
2	NC		
3	SCL1		
4	SDA1		
5	GND		
6	DC 5V		

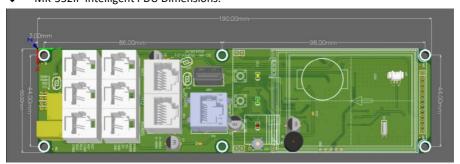
4.3.5 RS485 interface terminal (reserved for backup)



No.	Functional Description
1	RS485-A
2	RS485-B
3	DC 5V
4	DC 5V
5	GND
6	GND

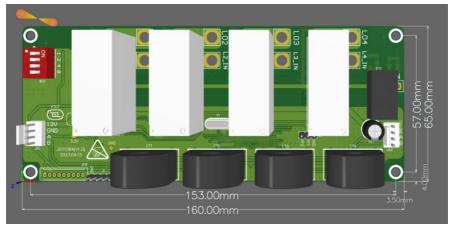
Product size 4.4

MK-352IP Intelligent PDU Dimensions.

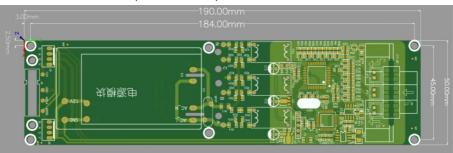




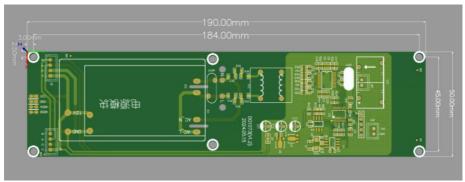
JSY-1084 4-channel relay control module dimensions



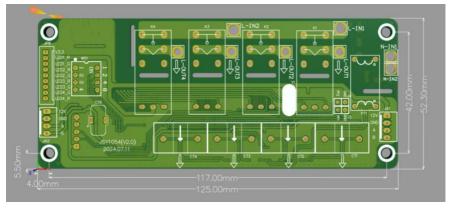
JSY-MK-352AFE three-phase four-wire power module dimensions



JSY-MK-1073 single-phase power module dimensions



◆ JSY-1054 4-channel relay control module dimensions



5. WEB Network Operation

5.1 Supported browsers

You can access the PDU through its web interface using IE, Google 360, or Microsoft Edge . Other commonly used browsers may work but have not been fully tested.

5.2 Cascade Setting Instructions

- You can use the PDU's system IP address as the URL of the web interface and log in using a case-sensitive username and password.
- ◆ The PDU uses a static IP address by default when it leaves the factory. The default address is 192.168.1.190. The current IP address can be queried from the network status page on the LCD display of the display module. If you need to configure a dynamic IP, you need to enable the DHCP function of the device.
- Before using the cascading function, you need to select the master-slave mode for each PDU configuration. The master mode has only one PDU, and the slave mode can be configured with 4 PDUs by default.

5.2.1 Cascade settings

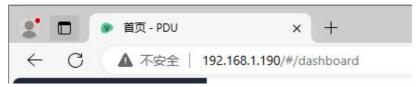
After the PDU is powered on, plug the network cable into its network port. At this time, in the LCD display of the display module, by short pressing the button, you can query the IP address from the host information, as shown in the figure 192.168. 1.1 90.





5.2.2 Log in

Enter the IP address of the PDU in the URL address field of the web browser (http://192.168.1.190 on the web page) as shown in the figure.



The default username and password for the super administrator is: " admin", then click Login. as shown in Figure 5.2.2:



Figure 5.2.2

The main interface consists of three parts: main menu bar, status information, and login status.



Main menu: including PDU Logo and navigation function menu.

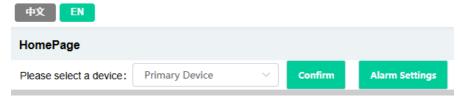
Status information: mainly includes temperature and humidity information, slave/divided relay status and voltage, current, power, power factor, electric energy, PDU voltage, total current, total power and other information.

5.2.3 Host and slave connection method

After one host PDU and four slave PDUs (up to four) are set to the host-slave mode respectively, the network port of the host PDU is connected to the network cable, and the network ports of the four slave PDUs (up to four) are left floating. the host and slave, and slave and slave are connected in series through the RS485 interface in turn, so that the host PDU and slave PDU are cascaded, and the user can control the host PDU and slave PDU through web pages by logging into the Web interface of the host PDU.

5.3 Device Status Description

The device selection includes the device information of the host and slave, powerrelated data, temperature and humidity information, and alarm status information.



In the Web interface, click Device Selection, and the host data is displayed by default. You can select the host and slave (up to 4) data information through the drop-down menu. as shown in Figure 5.3.0



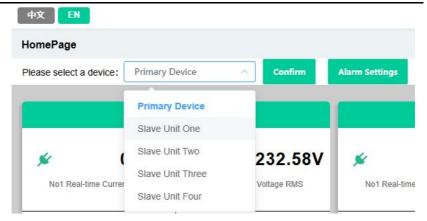


Figure 5.3.0

System Information 5.3.1

PDU system information includes system operation status, device information (product model, version number, etc.), network status and other related information. as shown in Figure 5.3.1



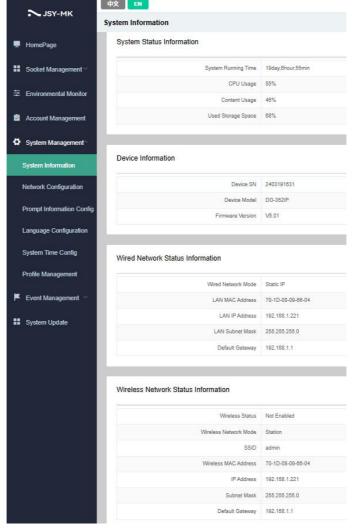


Figure 5.3.1

Electrical parameter information 5.3.2

JSY-MK-352 IP intelligent PDU connected to JSY-MK-352AFE three-phase four-wire power module includes: voltage, current, power, power factor, electric energy and other information parameters. as shown in the figure



JSY-MK JSY-MK-352 Intelligent PDU Modules



◆ JSY-MK-352 IP intelligent PDU connected to JSY1073 single-phase power module includes: voltage, current, power, power factor, electric energy and other information parameters. as shown in the figure



◆ The slave JSY-MK-352 IP intelligent PDU connected to the JSY1073 single-phase power module includes: voltage, current, power, power factor, electric energy and other information parameters. as shown below



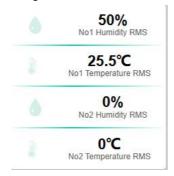
The electrical parameter information of the output control unit (JSY-1054 4-channel relay control module) includes: voltage, current, power, power factor, electric energy and other information parameters. it can connect up to 9 control modules and up to 36 channels. (or optional JSY1084 high current relay control module). as shown in the figure



All Socket basi	c Information Table						
No.	Alias	Status	Туре	Effective Voltage	Effective Current	Active Power	Energy Consumption
1		Open	single-phase	232.70V	0.000A	0.0W	0.000kWh
2		Open	single-phase	232.97V	0.000A	0.0W	0.000kWh
3		Open	single-phase	232.86V	0.000A	0.0W	0.000kWh
4		Open	single-phase	232.66V	0.000A	0.0W	0.000kWh
5		Open	three-phase	232.91V	0.000A	0.0W	0.000kWh
6		Open	single-phase	232.67V	0.000A	0.0W	0.000kWh
7		Open	single-phase	232.81V	0.000A	0.0W	0.000kWh
8		Open	single-phase	232.63V	0.000A	0.0W	0.000kWh

5.3.3 **Temperature monitoring**

The temperature and humidity status of the PDU displays the current temperature and humidity data, as shown in the figure



- If the system fails to read information from the temperature and humidity sensor, a " 0 " will be displayed.
- The device has only two temperature and humidity interfaces by default. The device supports expanding the temperature and humidity device interface through the RS485 interface.

5.3.4 **Alarm status**

P DU alarm status, showing voltage, current, temperature and humidity, IO node sensors (access control/water immersion/smoke sensors), time settings, user settings, logs, device information, etc. relative to the corresponding thresholds.



5.3.5 **Event Log**

The PDU will record two types of logs: event log and alarm log

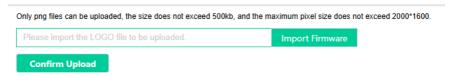


- ◆ The log information includes: offline alarm from the host/slave, control module, undervoltage alarm, overvoltage alarm, overcurrent alarm, temperature and humidity offline alarm, temperature upper and lower limit alarm, humidity upper and lower limit alarm.
- ◆ The information content is in the format of: time-type-level-subtype-sequence number-alarm value.
- ♦ 100 alarm messages can be stored , and the latest alarm message will overwrite the previous message.

5.3.6 LOGO upload

Support user-defined uploaded pictures.

LOGO Upload



The LOGO, company abbreviation and full name of the WEB page can be changed according to needs. The LOGO can only upload png files with a file size not exceeding 500KB and a size of 200 *100 pixels. After filling in, click "Confirm Upload".

5.4 System parameter settings

5.4.1 Account Addition

In the web interface, click Account Management



- In account management, it is used to add, modify or delete users.
- The default username and password for the administrator are both "admin". The username and password for the administrator can be modified.
- By default, ordinary users do not have output loop control permissions. Administrators can add output loop control permissions for ordinary users.
- The super user has the highest permissions on the device and can access or modify any options that can be set and modified.

5.4.2 TCP/IP Settings

- In TCP/IP settings, DHCP is selected as "ON" by default, and the PDU will automatically obtain the IP address assigned from any DHCP server. If DHCPP is "ON", the input in the IP address, mask and gateway boxes will be invalid.
- Network settings include IP address settings, SNMP settings, web login settings, email settings, upgrade settings, Telnet settings, etc.

The device supports the setting of static IP address or dynamic IP address.

LAN:	
Static IP	O Dynamic IP
IP Address:	192.168.1.221
Subnet Mask:	255.255.255.0
Gateway:	192.168.1.1

When selecting a static IP address, the user can set a fixed IP address, mask, and gateway according to the existing network environment. if a dynamic IP address is selected, the IP address will be automatically obtained according to the router settings in the LAN where the device is located.

Note: After modifying the network configuration information, you need to restart the system to take effect.



5.4.3 SNMP Settings

PDU supports SNMPv1 and SNMPv2c . When users select SNMPv1 and SNMPv2c, they can operate SNMP by setting the community name and proxy server IP:

Community Key: public Trap IP: 192.168.1.19

completing the SNMP settings, you need to install the corresponding SNMP management software.

5.4.4 Alarm threshold setting

Note: The alarm contents are overvoltage, undervoltage, and overcurrent. the overvoltage threshold range is 110-300VAC, the default is 265V. the undervoltage alarm threshold range is 0-300VAC, the default is 175V. the overcurrent alarm threshold range is 0-63A, the default is 63A (fill in the threshold with an integer)

 In the Wed interface, click Alarm Settings to set the main circuit alarm threshold settings. as shown in the figure

Alarm Settings: Effective Current: (Accuracy: 0.001A) Lower Warning Limit 0 A Warning Upper Limit 0 A Effective Voltage: (Accuracy: 0.01V) Lower Warning Limit 0 V Warning Upper Limit 0 V Active Power: (Accuracy: 0.01W) Lower Warning Limit 0 W Warning Upper Limit 0 W

The voltage/current threshold is used to set the upper and lower alarm thresholds of the current voltage/current. When the measured value is within the threshold range, it will display green "normal", and when the measured value exceeds the threshold, it will display red "warning"

Output control unit alarm threshold setting, single loop setting.

No.	Alias	Status	Handle	Information
9		Open	✓ Open × Close	Setting
2		Open	✓ Open × Close	Setting

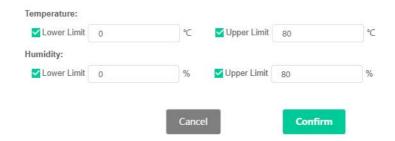
- Output control unit alarm threshold setting. batch setting and sequential poweron delay setting.
- When the measured value is within the threshold range, it will display green "Normal", and when the measured value exceeds the threshold, it will display red "Warning".



5.4.5 Temperature and humidity alarm threshold settings

Temperature and humidity alarm threshold settings

Temperature and Humidity Threshold Setting



◆ The user can set the upper and lower alarm thresholds of the current temperature and humidity. The current device only supports setting two temperature and humidity interfaces, but the device supports expanding the temperature and humidity device interface through the RS485 interface . Here, the upper and lower alarm thresholds of the sensor temperature and humidity can be set, so that when it exceeds the limit, an alarm can also be issued through the PDU.

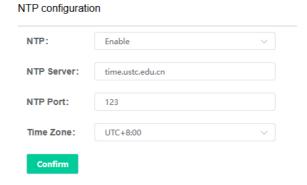
5.4.6 NTP Settings

PDU supports NTP settings, and users can enable or disable NTP service according to usage .

Enable: Set and fill in the NTP server and NTP time zone, click the NTP setting button,

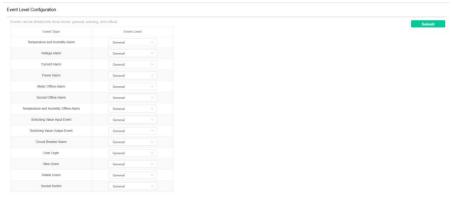


and the device will obtain the time and date of the currently selected time zone in the network based on the NTP server and time zone filled in by the user, and update the device system time (automatically synchronized every 10 minutes).



Event Configuration Description

Users can set the alarm level, and events can be divided into three levels: general, warning, and critical.



The log supports downloading. Click "Export all events" and the log will be downloaded to the accessed PC through the browser.

Email Settings 5.4.8

The mailbox supports SMTP to send warning emails to the specified mailbox:





After the user has set up all functions, the device needs to be restarted to make them effective. Then the user can click the "Send Test Email" button to test whether the current configuration is effective.



Fill in the email address in the corresponding "Receiving Account" input box. modify the notification event level: general, warning, critical.

5.4.9 **System Upgrade**

In the upgrade settings, you can see the system and web page firmware versions, and you can upgrade the current firmware information when new firmware is available.

Import the firmware before upgrading. The firmware is a bin file. After the upgrade is completed, the PDU will automatically restart.

System Update Current System Version: V5.01 **Import Firmware** System Update Web Page Update Current Web Page Version: V2.03 Import Update Package Web Page Update

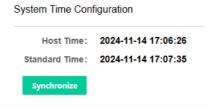
- If the power is cut off during the upgrade process, the device can continue to upgrade normally after it is powered on again.
- The PDU firmware is relatively large, so during the upgrade process, please wait patiently for the upgrade to complete and ensure that the network is unobstructed.
- During the PDU upgrade process, please do not perform other operations, such as



clicking buttons, using SNMP, logging into the web page, etc.

5.4.10 System time acquisition

- After the user gets the PDU, it is recommended to set the time to ensure the accuracy of the system time.
- PDU supports directly obtaining the current PC time as the PDU time, and also supports accessing the NTP server for time synchronization.
- When the user uses the current PC time as the PDU time, he can directly click "Synchronize".



Note: When users use NGP server for time synchronization. refer to 5.5.3 NTP settings

5.4.11 Switch quantity alias modification

Supports modification of switch quantity aliases. as shown in the figure



Other settings instructions 5.5

Display column description 5.5.1



There is a current status display bar in the upper right and upper left corners of the interface. It can display the current logged-in user, Chinese and English switching, and the current device time.



- Click the current login user name, you can choose to log out (exit) the current user, and switch between different users.
- Click "EN" to switch the device to the English interface display.

5.5.2 IP address acquisition

There are several ways for PDU to obtain IP address:

The first method: After the PDU is connected to the router, the IP address assigned by the router is obtained statically or dynamically.

The second method: After the PDU is directly connected to the PC via a network cable, the PC is set to a static IP address. At this time, if the PDU has been set to a static IP address and is in the same network segment as the PC, it can be accessed directly.

The third method: Users can directly set the dynamic or static address of the PDU through the LCD.

5.5.3 System version view

The system updates and records the current PDU firmware version. When the user needs after-sales service for the current device, the user can provide the current screenshot to our company, and our company can provide relevant after-sales service based on the information on the current interface.

Import Update Package



System Update Current System Version: V5.01 Import Firmware Please import the system firmware to be updated. System Update Web Page Update Current Web Page Version: V2.03

Web Page Update

Please import the package to be updated.



6. Troubleshooting

6.1 Frequently Asked Questions

question	Solution		
Network disconnection	 Check if the LED indicator of the network port is flashing and make sure it is flashing normally. Check the integrity of the network cable Verify the PDU network settings 		
No access Web User Interface	 Verify that you can ping the IP address of the PDU Verify that the browser you are using supports PDU web browsing. See "Supported Browsers" Verify that the URL is entered correctly Reset the device 		
LCD display shows garbled characters	 ◆ Reset device parameters via LCD ◆ Restart by pressing the Reset button ◆ If the problem is still not solved, please contact our after-sales service 		

6.2 SNMP Issues

question	Solution
Unable to execute GET or SET	◆ Verify the community and view "SNMP
	Devices"
	◆ Verify that UDP port 161 is open correctly
	◆ Check whether the parameters are correct
	when using SNMP
Unable to receive trap	◆ Verify that the trap proxy server IP address is
	configured correctly
	◆ Verify that UDP port 162 is open
The trap received by the network	Please refer to the documentation received
management system is not	by your gateway to verify that these traps are
recognized	correctly integrated into the alert/trap
	database

Note: The equipment should be operated in a place without explosion, corrosive gas and conductive dust, and without significant shaking, vibration and impact.



7. Transportation and storage

- The product should not be subject to severe impact during transportation and unpacking, and should be transported and stored in accordance with the national standard GB/T13384-2008 "General Technical Conditions for Packaging of Mechanical and Electrical Products".
- 2. This product is an electronic device, so you should try to avoid heavy objects hitting and bumping it when handling, picking up and placing it.
- 3. The ambient temperature of the storage location should be -40 $^{\sim}$ +70 $^{\circ}$ C, the relative humidity should not exceed 85 %, and there should be no corrosive and harmful substances in the air .

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