I. Product Hardware Description

1	LCD screen	Display Voltage, Current, Power, Power Factor, Electric Energy, IP Address
2	Function /OK button	Provide LCD panel Voltage, Current Alarm Value setting and display mode setting.
3	SELECT	Select function
4	SET	Voltage, Current, Alarm Value settings and modify, Alarm silence, Can query IP address.
5	NET Interface	Ethernet access interface.
6	RS485 Interface	RS485 Cascade interface (Ethernet cable connection).

II. Main Functions

1. The device supports for Current, Voltage, Power, Power Factor, Electric Energy monitoring.
2. The device supports upper and lower limits alarm threshold value settings for Current, Voltage or Temperature/Humidity.
3. The device supports cascade via RS485 communication protocol.(Up to 32pcs)
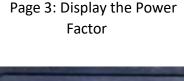
4. Support alarm.

III. Hardware Instruction

The main information display. The device will automatically beep when powered on and then turn to the main display screen. At the moment, the Device display Current, Voltage, Power, Power Factor and Electric Energy.

1. Display and indication function

1.1 The main information display.

Page 1: Display the Voltage and Current	Page 2: Display the Power and Electric Energy as follows:	Page 3: Display the Power Factor

1.2 Operation Pages

Long press"set"enter into operation pages. Page1 shows the Device Address.	Press "SET" again enter into operation pages. Page2 shows the Baud.	Page3 shows the Upper Limit of Voltage.

Page4 shows the Lower Limit of Voltage.	Page5 shows the Upper Limit of Current.	Page6 shows the Lower Limit of Current.

Page7 shows the FIXED display: Page8 shows the Energy Clear :
E--CLR

1.3   Cycle display the device information Press "FUNCTIONAL BUTTON" enter into operation page 7th, press "SELECT", the letter "d" will flash, press "SET" again enter into cycle display mode. See as follows:

Press "FUNCTIONAL BUTTON" again to save, enter into cycle display mode, the LCD screen will display Voltage
and Current, Power and Energy, Power Factor in cycle.
When in Cycle mode,Press "OK" enter into operation page 7th, press "SELECT", the letter "E"will flash, press"SET"
again enter into FIXED display mode.

2.Address setting

Press "Function Button" enter into operation page 1rst , press "SELECT", the number in ones will flash, press "SET"
again to modify the value; then press "SELECT" again, the number in tens will flash, press "SET" again to modify the
value;then press "SELECT" again, the number in hundreds will flash, press "SET" again to modify the value; Finally ,
press "OK" to confirm.
Same ways to set the high and low limits of Voltage,Current.

3.IP Address inquiries
In FIXED mode, long press "SET" 2 seconds to query IP address, gateway and other information
Page 1-4 is IP Address, Page 5-8 is Gateway, Page 9-12 is Sub net mask.

4.Alarm Function.When the Alarm happened, location of the LCD display will be flashing. The buzzer will beep.

5.Mute Function
When the buzzer is beeping. Press any key to display the mute time for a minute.

Other specifications:
When the device is powered on, the LCD displays the device address, the default meter address is 01.

IV Software Function

When the device link to the network, the LCD displays the IP address of the device, the default is 192.168.1.191. Default Account and Password are "admin".

1.Device Status. Status view as follow:

2. Device Settings. Status view as follow:

Channel	Device Name	Current Lower Limit(A)	Current Upper Limit(A)	Voltage Lower Limit(V)	Voltage Upper Limit(V)	TEMP Lower Limit(°C)	TEMP Upper Limit(°C)	HUM Lower Limit(%)	HUM Upper Limit(%)
1	Master PDU	0.0	32.4	180.0	250.0	0.0	0.0	0.0	0.0

Settings

Channel:	1
Device Name:	Master PDU
Current Lower Limit(A):	0.0
Current Upper Limit(A):	32.4
Voltage Lower Limit(V):	180.0
Voltage Upper Limit(V):	250.0
TEMP Lower Limit(°C):	0.0
TEMP Upper Limit(°C):	0.0
HUM Lower Limit(%):	0.0
HUM Upper Limit(%):	0.0
Clear Ep:	Clear Ep
Save:	Save

Device Name: Brief description of equipment information, which supports rename device.

Current Upper-limit: When current is lower than the threshold, the device will automatically send overrun alarm.

Current Lower-limit: When current is higher than the threshold, the device will automatically send overrun alarm.

Threshold of voltage, temperature and humidity are same.

3. Network Configuration. Setting as figure below:

Network Settings

MAC Address:	54:10:ec:1b:9c:22
Host Name:	IPPDU

☐ Enable DHCP

IP Address:	192.168.1.191
Default Gateway:	192.168.1.1
Subnet Mask:	255.255.255.0
Preferred DNS Server:	192.168.1.1
Alternate DNS Server:	0.0.0.0
Local Server Port:	9760
Http Server Port:	80

Apply Changes   Show Advanced Settings…

Advanced Configuration include HTTP, SNMP, SMTP and NTP configuration, also supports to set Date and Time.

4. LOG Information Details as figure below:

Device Status	Device Settings	System Configurations	Alarm Logging	

ID	Event	Date	Time

Clear logs