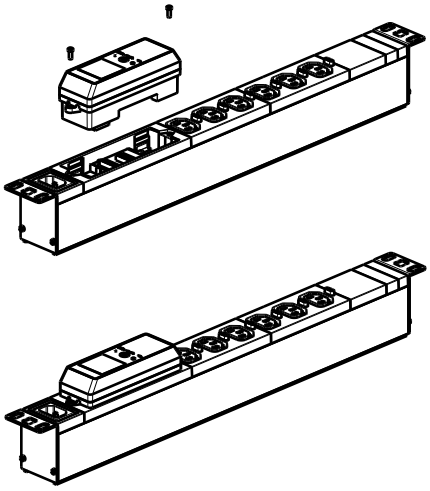
I Overview

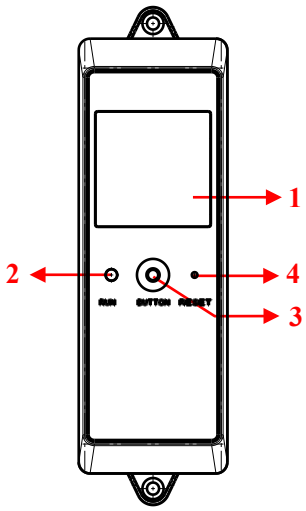
Local Power Meter（LPM） is a data center power distribution device with local monitoring function. It can accurately monitor voltage, current, power and electrical energy with an accuracy of ±1%, providing customers with safe and stable power distribution services.

II Hardware Introduction

1. Product sketch

Local Power Meter（LPM） is equipped with a hot-swappable monitoring module, which can be replaced without power interruption of the devices when necessary.





1. Screen : Segment liquid crystal display (SLCD)

2. RUN : Run indicator (flashes at intervals of 1 second during normal operation)

3. BUTTON : Button key (switch display content)

4. RESET : Restarts the module (cumulative values are saved)

2. Power on display

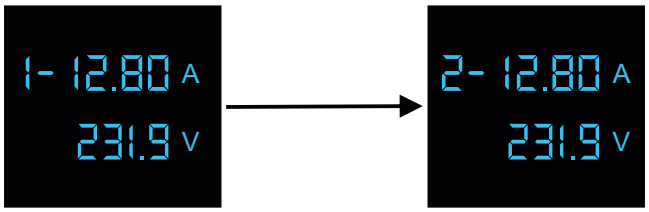
Power-on self check, segment code SLCD screen all lit up, buzzer buzzer. When the current exceeds 80% of the rated current, A current alarm is generated. For example, when the rated current is 16A and the device current exceeds 12.8A, A current alarm is generated.

The following describes the AC single-phase, AC two circuit, and AC three-phase product segment code lcd displays in power-on mode.

2.1 Single-phase AC power on display:

(Figure 1)

2.2 Single phase two way power on display:



(Figure 1) (Figure 2)

2.3 Three-phase power on display:

(Figure 1) (Figure 2) (Figure 3)

3. Interactive display

3.1 Single-phase monitoring module (AC):

Press “BUTTON” key to turn pages, the screen will display in sequence: phase (L1), current (00.00A), voltage (231.9V), active power (00.00kW), electric energy (00000.8kWh), version number (VEr4.2.0), as shown below.

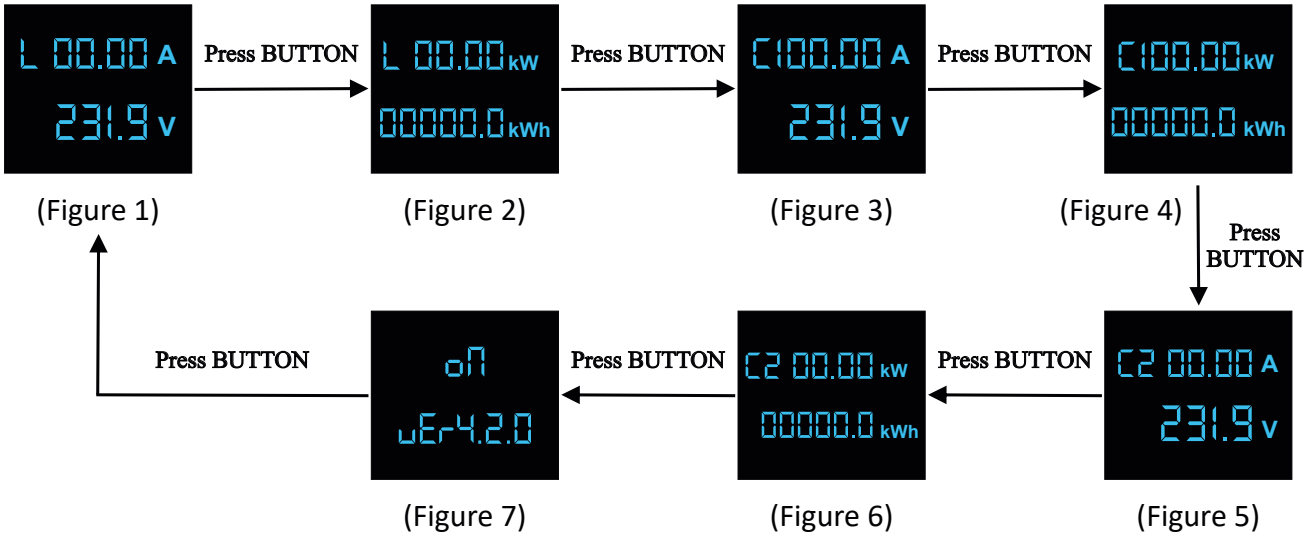
⚠ A waiting time is necessary (4s) between the disconnection of an electrical device and the information display.

(Figure 1) (Figure 2) (Figure 3)

3.2 Single phase two way monitoring module(AC)

Press the "BUTTON" key to turn the pages, the first to seventh screens will display the current (00.00A), voltage (231.9V), active power (00.00kW), and electrical energy (00000.0kWh) of L, C1 circuit and C2 circuit in sequence, and the seventh screen displays version number (VEr4.2.0), as shown below.

⚠ A waiting time is necessary (4s) between the disconnection of an electrical device and the information display.

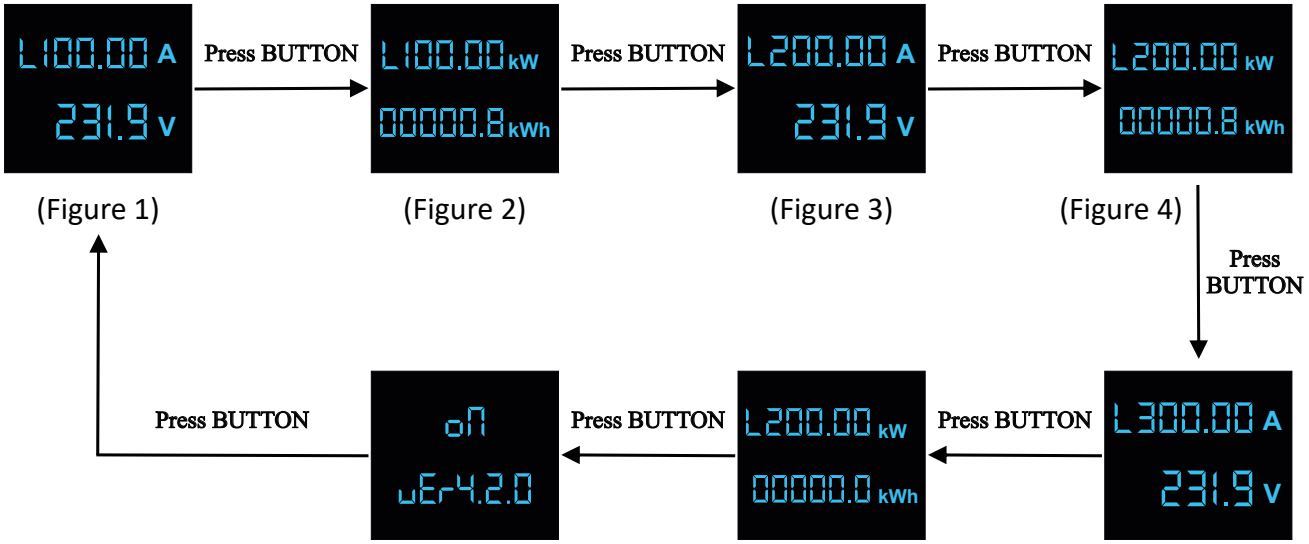


(Figure 1) (Figure 2) (Figure 3) (Figure 4) (Figure 5) (Figure 6) (Figure 7)

3.3 Three-phase monitoring module(AC)

Press the "BUTTON" key to turn the pages, the first to screens screens will display the current (00.00A), voltage (231.9V), active power (00.00kW), and electrical energy (00000.8kWh) of L1, L2 and L3 in sequence, and the seventh screen displays version number (VEr4.2.0), as shown below.

⚠A waiting time is necessary (4s) between the disconnection of an electrical device and the information display.



(Figure 1) (Figure 2) (Figure 3) (Figure 4) (Figure 5) (Figure 6) (Figure 7)

Note 1: When the device alarms, press and hold the Button button for about 3 seconds on the phase information display interface to silence the sound for a period of time (10 minutes), and long press the Button button on t he buzzer switch interface for about 3 seconds to permanently turn on or off the silencer.

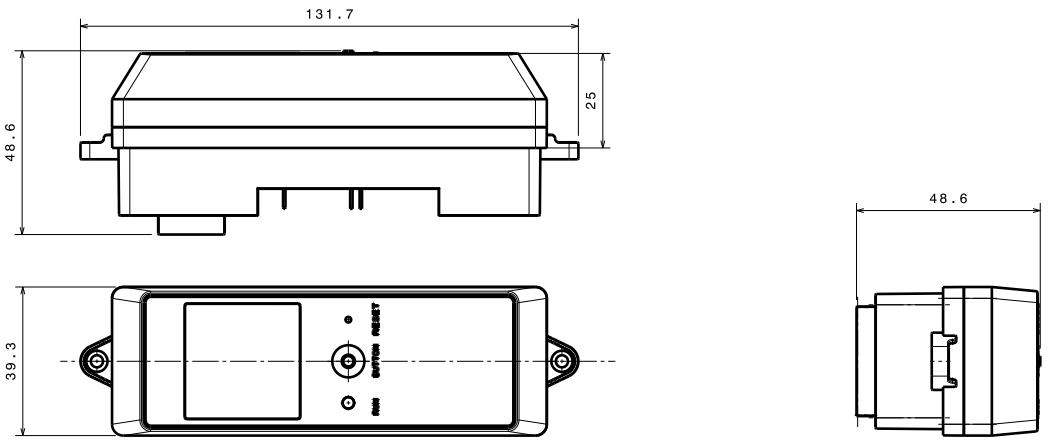
Note 2: A current alarm will be generated when the equipment current exceeds 80% of the rated current. For example, when the rated current is 16A, the current alarm will be generated when the equipment current exceeds 12.8A.

Note 3: on means to turn on the buzzer, buzzer alarm, off means to turn off the buzzer, buzzer silencer does not alarm.

III Technical Specification

Input	Single phase	Rated voltage	-240VAC 50~60Hz
		Maximum total load current	16A/ 32A
	Three-phase	Rated voltage	200-400VAC 50~60Hz
		Maximum total load current	3×16A、3×32A
	Overload protection		Circuit breaker (optional)
	Input current detection and display		Detection accuracy: ±1%. Display accuracy: 0.01A
			Display mode：Segment liquid crystal display(SLCD); Display direction: vertical/horizontal;
	Input voltage detection and display		Detection accuracy: ±1%.; Display accuracy: 0.1V
			Display mode: Segment liquid crystal display(SLCD); Display direction: vertical/horizontal;
Output	Single phase	Rated voltage	100-240VAC 50~60Hz
		Maximum total load current	16A/ 32A
	Three-phase	Rated voltage	100-240VAC 50~60Hz
		Maximum total load current	3×16A、3×32A
	Output socket system		See "Socket Standard and Output Unit Configuration Table" for details.
	Output unit specification		Accept customized production
Monitoring function (Local)			Voltage (V), Current (A), Active Power(kW), Energy (kWh)
Alarm	Alarm condition		When total load current/voltage current exceed the rated value
	Alarm method		Buzzer alarm
Physical characteristics	Product dimensions		Depends on the actual model
	Properties of shell material		ABS & PC
	Case color		Black
	installation		Screw fastening method
Environment	Working temperature		0℃~55℃
	Relative humidity		5~95%
	Storage temperature		-20℃ ~ +70℃

IV Overall Dimensions



⚠ Safety instructions
Make sure the power supply is disconnected before any intervention.
Strictly comply with instructions for installation and use.