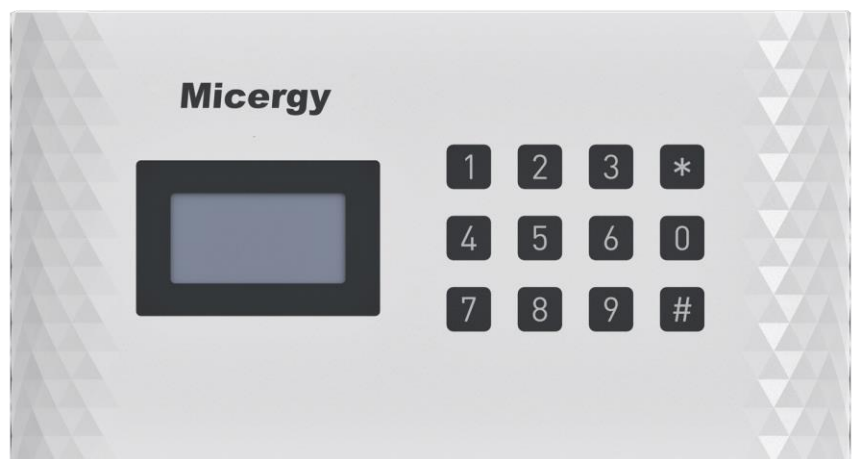# Micergy

POWERLINK SERIES – MP1

Perfect Classical Pay-As-You-Go Solar Home System
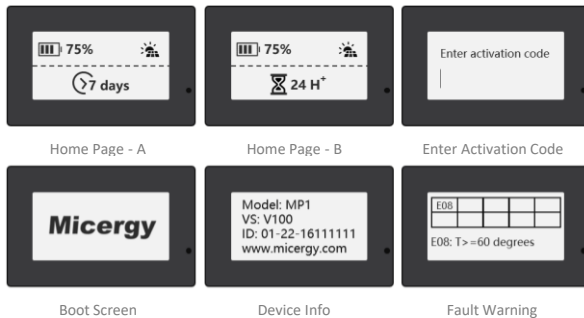
Entry-Level

VeraSol Certified

MICERGY MP1 | PERFECT ENTRY-LEVEL PAYG SHS

Micergy MP1 adopts the highest quality level of the industry, it's user-friendly and tamper-resistant, perfect for to decrease the default rate and aftersales cost.

Tamper-resistant control unit

- High-class industry design with no screw exposed
- Anti-tampering screws, professional tools required
- MCU program will self-destruct if violently opened

Home Page - A   Home Page - B   Enter Activation Code

Boot Screen   Device Info   Fault Warning

128*64 dot matrix LCD display with backlight

Device information clearly showed including:
- Battery level: 1% to 100%
- Remaining credit days: >N Days
- Remaining battery usage time: >N Hours (Automatically calculated as per load plugged)
- Device information, software version, manufacturer information
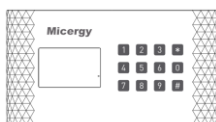- Fault warning information

* Screen backlight turn off when no keypad touch for 30 seconds and turn on when there is keypad touch detected; The Home Page A and Home Page B will switch every 6 seconds

4 x 3 capacitive touch keypad with buzzer sound

- 4 x 3 capacitive touch keypad to ensure the sensitivity, stability and reliability of the product will not change due to changes in environmental conditions or long-term use
- Buzzer sound feedback when touching the keypad
- Buzzer sound remind when the battery level is low

Touch & Buzzer

PAYG COMPATIBLITY

Software Agnostic PAYG Hardware

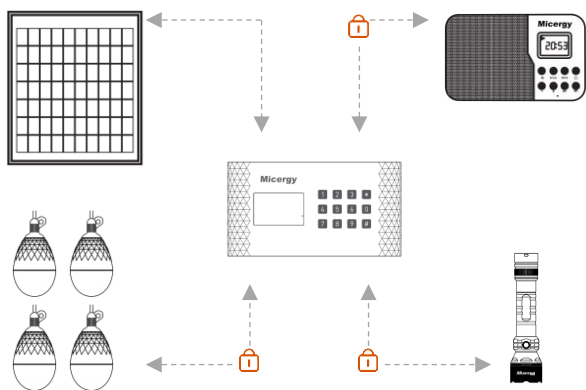Micergy MP2 is compatible with leading 3rd PAYG Platform including:
- Angaza
- Solaris
- Paygee
- Micergy PAYG Hub

* Micergy can do compatible integration with customized PAYG device management software.

Exclusive line of Micergy Original Accessories

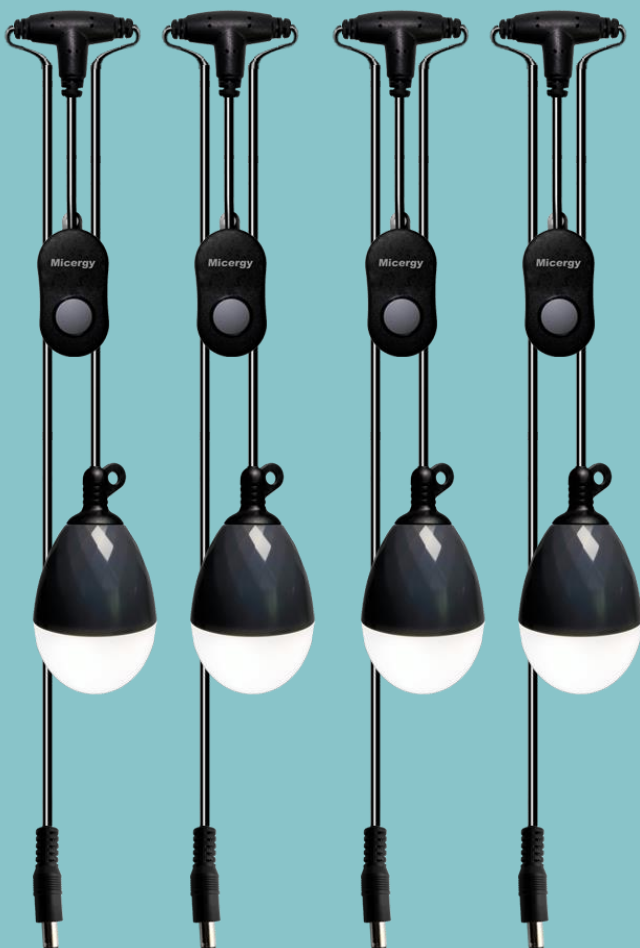Exclusive line of Micergy Original Accessories for Powerlink Series PAYG SHS

Only Micergy Powerlink Series PAYG SHS can charge and power the exclusive line of original accessories. besides, solar radio and torch designed with non-detachable battery and custom 6060 charging port.

Two-way authentication, Triple protection

- Two-way authentication encryption protection between MCU and dimmable LED lamp
- Two-way authentication encryption protection between MCU and dimmable LED torch
- Two-way authentication encryption protection between MCU and dimmable FM radio

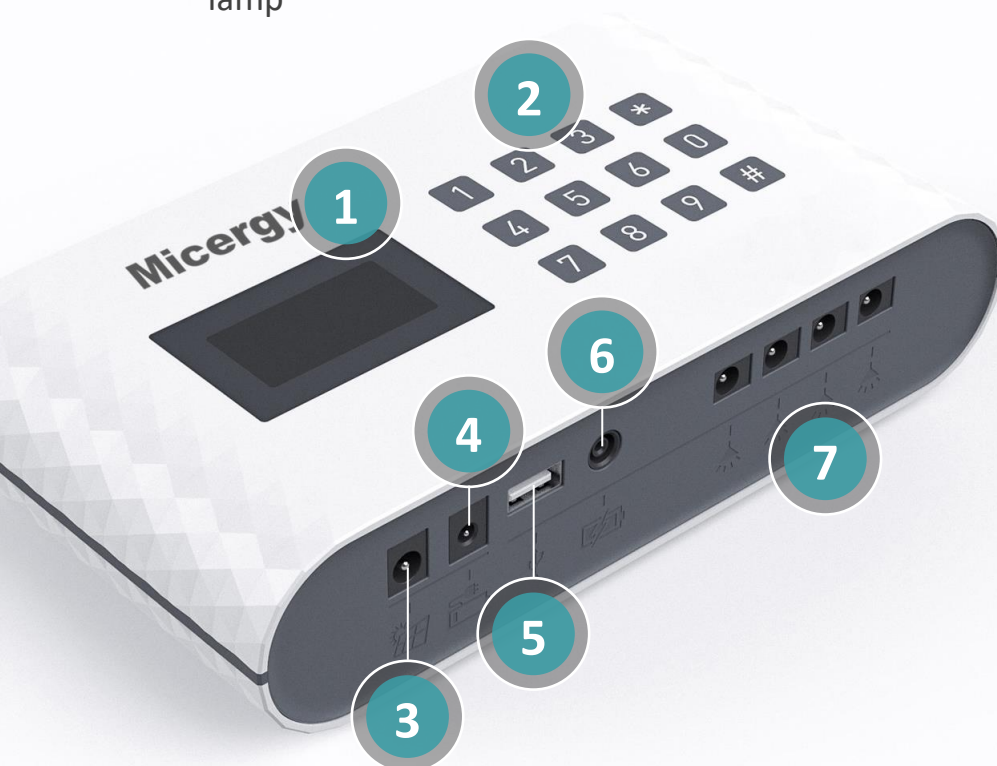* Two-way authentication encryption protection between solar panel and control unit is optional

Solar Torch

1.5w Solar Lamp

Solar Radio

MP1 PRODUCT TOUR

1 **LCD Display with Backlight**
128*64 dot matrix LCD display with backlight to show device information

2 **Capacitive Touch Keypad**
4 x 3 capacitive touch keypad with buzzer sound, higher sensitivity and reliability

3 **Solar Charging Input Port**
9V/3A barrel jack port for solar charging

4 **AC/DC Adaptor Input Port**
9V/3A barrel jack port for AC charging

5 **USB 2.0 Type A Output Port**
5V/1A USB output port for phone charging

6 **6060 Micergy Custom Output Port, Encrypted**
Custom charging port for LED Torch and FM Radio

7 **LED Lamp Port, Encrypted**
4 x 6V/0.4A LED lamp port for Micergy exclusive encrypted LED lamp

MP1 SCENARIO

DC
- Off-Grid Household
- Off-Grid SMEs, Kiosk
- Off-Grid Street Shop

AC
- Weak-Grid Household
- Weak-Grid SMEs, Kiosk
- Weak-Grid Street Shop

GENERAL SPECIFICATIONS

Input Ports	1 x 9V/3A DC Input Port
	1 x 9V/3A AC Adaptor Input Port
Output Ports	1 x 5V/1A USB 2.0 Type A Output Port
	4 x 6V/0.4A Encrypted Lamp Port, Automatically detect and power when there is a load plugged in
	1 x 6V/0.4A Encrypted Custom Port for LED Torch and FM Radio, , Automatically detect and power when there is a load plugged in
Battery	Lithium Iron Phosphate, 26650 Type
	Battery Norminal Voltage, 6.4V
	Battery Capacity, 6600mAh
	Long Lifecycle @ High Charge & Discharge Rate
	Over Charge Protection for Individual Cells and Sets of Parallel-Connected Cells
	Battery meet IEC 62281, IEC 62133-2, UL 1642 and UN 38.3 Certification
Solar Panel	9V/15Wp @ STC
	6m Charging Cable
	Aluminum Frame
	Dimension: 350*318*18mm
LED Lamp (150 lumen)	Lumen Efficacy: 110lm/w @ High Setting
	Dimmable with 3 Brightness Level
	Encrypted Powering
	10m Cable

PAY-AS-YOU-GO

LCD Display	128*64 dot matrix LCD display with backlight
	- Battery level: 1% to 100%
	- Remaining credit days: >N Days
	- Remaining battery usage time: >N Hours (Automatically calculated as per load plugged)
	- Device information, software version, manufacturer information, Fault warning information
Keypad	4 x 3 capacitive touch keypad with buzzer sound
	- High sensitivity, stability and reliability
	- Buzzer sound feedback when touching the keypad
	- Remaining battery usage time: >N Hours (Automatically calculated as per load plugged)
	- Buzzer sound remind when the battery level is low
PAYG Compatibility	Software Agnostic PAYG Hardware, Already Compatible with 3rd Party PAYG Software:
	- Angaza
	- Solaris
	- Paygee
	* Micergy can do compatible integration with any customized PAYG software

OPTIONAL ACCESSORIES

FM Radio	FM 76-108MHz, 50cm Telescopic Rod Antenna, 3.7V/2000mAh Non-Detachable Battery, Encrypted Charging
LED Torch	100 lumen, 3-level Dimmable, 3.7V/2000mAh Non-Detachable Battery, Encrypted Charging

Micergy

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