

Pay-As-You-Go refers to a business model that allows users to pay for their product via embedded consumer financing. A Paygo company will typically offer a solar product (predominantly solar home systems and multi-light pico devices) for which a customer makes a down payment, followed by regular payments for a term ranging from six months to eight years. Payments are usually made via mobile money, though there are alternative methods that include scratch cards, mobile airtime and cash. Micergy MP2 designed with **built-in metering and monitoring technology** allow the end-users to enjoy the advanced feature of the solar home system by paying in installment, rather than making full payment upfront. Besides, advanced encryption technology was adopted to minimize the risk of illegal tamper and theft to reduce the default rate for PAYG operators.



### Concentrated Pay-As-You-Go

No need high upfront cost, lease to own model with embedded financing



### Tamper-resistant

MCU program will self-destruct if violently opened



### User Friendly Design

4 x 3 capacitive touch keypad with buzzer sound, 128\*64 dot matrix LCD display with backlight



### Exclusive Accessories

Two-way authentication, Triple protection



Anti-tampering  
Screws



128\*64 dot matrix  
LCD display with  
backlight



4 x 3 capacitive  
touch keypad with  
buzzer sound



Two-way  
authentication  
encryption



Software Agnostic  
PAYG Hardware

| GENERAL SPECIFICATIONS | MP2   |
|------------------------|---|
| Input Ports            | 1 x 25-48V/6A DC Input Port<br>1 x 14.6V/6A AC Adaptor Input Port   |
| Output Ports           | 1 x 5V/1A USB 2.0 Type A Output Port<br>1 x 5V/2A USB 2.0 Type A Output Port<br>3 x 12V/2A Barrel Jack Output Ports, Appliances Port<br>2 x 12V/2A Barrel Jack Output Ports, Encrypted Lamp Port<br>2 x 12V/12.5A Cigarette Lighter Output Ports, Inverter Port   |
| Battery                | Lithium Iron Phosphate, 26650 Type<br>Battery Nominal Voltage, 12.8V<br>Battery Capacity, 26.4Ah<br>Long Lifecycle @ High Charge & Discharge Rate<br>Over Charge Protection for Individual Cells and Sets of Parallel-Connected Cells<br>Tripple Protection: Hardware, Software and Housing Material Protection with Iron Box |
| Solar Panel            | 35V/160Wp @ STC<br>Built-in Encrypted Chip for Charging<br>10m Charging Cable<br>Aluminum Frame with Mounting Bracket<br>Dimension: 1030*140*1015mm   |
| LED Lamp (150 lumen)   | Lumen Efficacy: 110lm/w @ High Setting, Dimmable with 3 Brightness Level<br>Encrypted Powering, 10m Cable   |
| LED Lamp (1100 lumen)  | Lumen Efficacy: 140lm/w @ High Setting, Dimmable with 3 x Brightness Level<br>Encrypted Powering, 10m Cable with Expansion Port   |

#### PAY-AS-YOU-GO

|                    |   |
|--------------------|---|
| LCD Display        | 128*64 dot matrix LCD display with backlight<br>- Battery level: 1% to 100%<br>- Remaining credit days: >N Days<br>- Remaining battery usage time: >N Hours (Automatically calculated as per load plugged)<br>- Device information, software version, manufacturer information, Fault warning information |
| Keypad             | 4 x 3 capacitive touch keypad with buzzer sound<br>- High sensitivity, stability and reliability<br>- Buzzer sound feedback when touching the keypad<br>- Remaining battery usage time: >N Hours (Automatically calculated as per load plugged)<br>- Buzzer sound remind when the battery level is low    |
| PAYG Compatibility | Software Agnostic PAYG Hardware, Compatible with mainstream 3rd Party PAYG Software, Including but not limited to Angaza, Solaris, Paygee   |

#### OPTIONAL ACCESSORIES

|           |  |
|-----------|--|
| FM Radio  | FM 76-108MHz, 50cm Telescopic Rod Antenna, 3.7V/2000mAh, Encrypted Charging              |
| LED Torch | 100 lumen, 3-level Dimmable, 3.7V/2000mAh, Encrypted Charging                            |
| Inverter  | 120W DC/AC Modified Sinewave Output Inverter, 150W Max                                   |
| Fan       | 16" DC Standing Fan, Copper Brushless Motor, Oscillating with 3-Level Speed Control, 10W |
| TV        | 32" DC LED TV, ATV/T2/S2/CI+, 12W Power Consumption                                      |
| Freezer   | 80L DC Freezer, R134a Refrigerant, DC Outer Rotor Compressor, 40W                        |

# Micergy

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