

# THE NEXT GEN INVERTER WITH INBUILT LITHIUM BATTERY



## HALO HOME UPS-1200



Electricity Saving



Light Weight (21kg)  
Including battery



Long battery life  
10+ Years



UPS  
Mode



Ideal for  
Mixed Loads



Compact & Portable  
Single Piece Unit













# HALO HOME UPS-1200



## Lightweight and Portable Power

### What You Can Power : Inverter Appliances Combinations

| Appliances   | Usage 1         | Usage 2        | Usage 3        | Usage 4          | Usage 5       |
|--|-----------------|----------------|----------------|------------------|---------------|
| LED Bulb  (9 VA)           | 1               | 2              | 3              | 3                | 4             |
| LED Tube Light  (20 VA)   | -               | 1              | 2              | 2                | 2             |
| FAN (BLDC)  (30 VA)       | 1               | 2              | 2              | 2                | 3             |
| Mobile Charger  (30 VA)   | 1               | 1              | 1              | 2                | 2             |
| WiFi Router  (25 VA)      | 1               | 1              | 1              | 1                | 1             |
| DTH  (25 VA)              | -               | -              | 1              | 1                | 1             |
| TV  (150 VA)              | -               | -              | -              | 1                | 1             |
| PC  (150 VA)              | -               | -              | -              | 1                | 1             |
| Home Theatre  (200 VA)    | -               | -              | -              | -                | 1             |
| Inverter Fridge  (100 VA) | -               | -              | -              | 1                | 1             |
| <b>BACKUP TIME</b>   | <b>12 hours</b> | <b>7 hours</b> | <b>3 hours</b> | <b>1.5 hours</b> | <b>1 hour</b> |

(1). The above data is based on standard appliances. Before selecting an inverter, please verify the rated power consumption of your appliances to ensure compatibility (2). Actual load may vary depending on your appliances



## Why Choose

Lithium Ion Battery Inverter over Lead Acid Inverter Battery?



### Normal Inverter + Tubular Battery

☞ Heavier Batteries

☞ Immovable

☞ Occupies Large Area

### HALO HOME UPS-1200

☑ Lightweight (21kg)

☑ Compact & Portable

☑ Occupies Less Space

| Criteria            | Traditional Lead Acid Battery   | Lithium Ion Battery Inverter           |
|---------------------|---|--|
| Battery Life        | 3 - 6 Years   | 8 -12 Years                            |
| Charging Time       | 10 - 12 Hrs   | 4.5 - 5 Hrs                            |
| Fumes & Acid Spills | Yes   | No                                     |
| Maintenance         | Water topping and cleaning of Battery Terminals   | Maintenance-Free                       |
| Performance         | 100 Ah Lithium Battery gives same 'Backup Time' and Higher Performance than a 150 Ah Acid Battery |  |
| Electricity Saving  | Lithium battery inverters are 60% more efficient than lead acid battery inverters                 |  |
| Charging Cost       | More (1.4X)   | Less (X)                               |
| Cost Efficiency     | Requires replacement after 3-5 years. Less Cost-effective   | Cost-effective choice in the long term |





## Technical Specifications

| Model                             | 1200 VA (1.28kWh)                 |
|-----------------------------------|-----------------------------------|
| Capacity                          | 1200 VA / 960 W                   |
| DC Battery Voltage                | 12 V                              |
| Input                             |                                   |
| Input Voltage Range Inverter Mode | 85 V-290 V                        |
| Input Voltage Range UPS Mode      | 180 V-275 V                       |
| Frequency                         | 50±1% Hz                          |
| Transfer time Inverter Mode       | ≤14ms                             |
| Transfer time UPS Mode            | ≤10ms                             |
| Output                            |                                   |
| Output Power (resistive)          | 960 w                             |
| Voltage                           | 215 Vrms ± 1%                     |
| Frequency                         | 50 ± 1% Hz                        |
| Output THD                        | ≤ 5%                              |
| Waveform                          | Pure Sine Wave                    |
| Cooling                           | Forced Air                        |
| Battery Type                      | LiFePO4 (Lithium Ferro Phosphate) |
| Battery Charging                  | 10 A DC                           |
| Switching Device                  | MOSFET                            |
| Size (LxBxH)                      | (320X320X220) mm                  |
| Weight                            | 21 Kg                             |

## Protections



Over Load



AC Over Voltage



Battery Over Charge



Battery Deep Discharge



Short Circuit



AC under Voltage



Over Temperature



Wiring Fault



# HALO

HOME UPS-1200

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