



# Homaya SHyS

Clean, efficient, readily-available energy!

Access to Energy

# Global Energy Context

## Rapid urbanization

Developing countries account for around **75%** of the world's energy consumption. About **66%** of the world's population is expected to be living in urban areas by 2025.

## Electricity shortages

**2 to 3 hours** of power outages every day in peri-urban areas in the developing world\*

## Higher prices

**15% increase** in the cost of electricity supplied from the grid in developing countries over the past 5 years

**Homaya Solar Hybrid System** is an inverter for powering both AC and DC loads from energy supplied either via the grid or by solar panels, which can then be stored in a battery as required.



# How does it work?



# No more worrying about power outages in peri-urban areas



- ➡ Energy from the grid is stored in batteries to make sure it is readily available and thus prevent power outages.
- ➡ Solar power - which is completely free! - means lower electricity bills.



# No more interrupted power for your business in peri- urban areas



➡ Energy is readily available; it is stored in batteries to prevent outages.



# Equipment can be used even at night in villages



➡ Solar panels provide energy during the day and energy stored in a battery provides power at night.





# Where Can it Be Used?



Homes



Health centers



Businesses



# What can be connected?

# What can be connected?\*

\*Respect the polarities indicated above



# What are the technical specifications?

# Technical Specifications - Homaya 850VA

## Solar Hybrid System 850VA

**Product reference:** AEH-SHI01-0850

**Description:** Solar Hybrid System 850VA



### Solar panel\*

- Power up to 800Wp, 12V solar panel
- Recommended open-circuit voltage between 17V and 21V



### Battery\*

- 12V operating voltage: 100Ah to 200Ah
- Supports tubular and flat plate GEL/VRLA batteries



### Outputs

- DC output: 12V DC, 20A
- AC output: 230V, 50Hz



### Dimensions

- 375 mm x 315 mm x 135 mm
- Net weight: 11.5 kg
- Gross weight: 12.7 kg



# Technical Specifications - Homaya 1500VA

Solar Hybrid System 850VA

**Product reference:** AEH-SHI01-1500

**Description:** Solar Hybrid System 1500VA



## Solar panel\*

- Power up to 1000Wp, 24V solar panel
- Recommended open-circuit voltage between 36V and 45V



## Battery\*

- 24V operating voltage: 100Ah to 200Ah
- Supports tubular and flat plate GEL/VRLA batteries



## Outputs

- DC output: 12V DC, 5A
- AC output: 230V, 50Hz



## Dimensions

- 375 mm x 315 mm x 150mm
- Net weight: 15.6 kg
- Gross weight: 16.9 kg



## Readily-available electricity

Storage of solar energy means no interruptions in the power supply

## Clean, secure energy

No negative effects on human health

## Domestic or business use

Powers devices common to homes or small businesses

## Cost-effective

Lower energy bills



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