# Homaya SHyS Clean, efficient, readily-available energy!

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Access to Energy



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## **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.

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gy Council, E A, PwC August 2016)

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Proper

# Electricity shortages

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

#### Higher prices

## electricity

**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 periurban 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 periurban areas



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



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# 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

Life Is On

#### 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

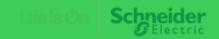
Cost-effective Lower energy bills



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