

# Power all your off-grid and unreliable grid needs with reliable, affordable and clean electricity

## Homaya Pro 3 kW



Homaya Pro is a solar-hybrid solution specifically designed for locations having unreliable or no access to electricity. It provides customizable, reliable and renewable energy access for homes, fuel stations, small offices, healthcare centers, educational institutions and telecom towers.



Homes



Micro enterprises



Healthcare centers



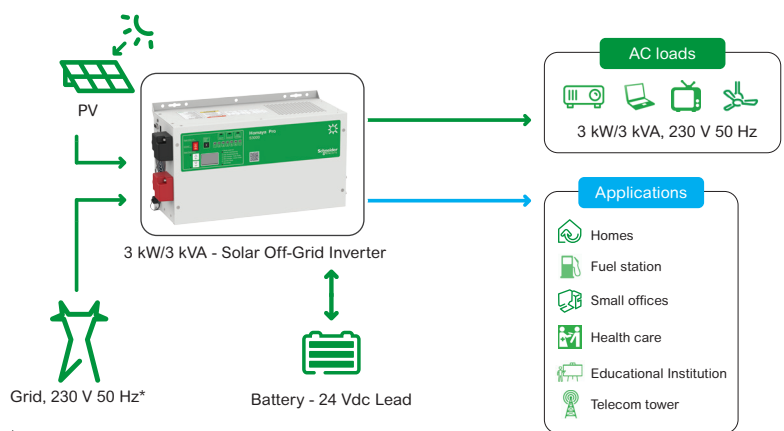
Telecom towers



Educational institutions

### Unique features

- Supports 9 lead acid battery charging profiles
- Inbuilt Maximum Power Point Tracking charging mode
- Robust transformer-based design
- Supports productive needs including domestic pumping solution
- Compatible with customizable lead acid charging profiles



\*50/60 Hz: Auto detect from the grid connected

Homaya Pro is powered from solar with an inbuilt MPPT controller, compatible with grid charging and supports lead technology.

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**Schneider**  
Electric

# Product at a glance

Homaya Pro solar-hybrid inverter powers your off-grid needs with reliable, affordable and green electricity.

## Flexible

- Inbuilt MPPT for maximum utilization of the solar power available
- Compatible for external MPPT chargers, each 1 kWp input
- Compatible with 50 Hz and 60 Hz
- Customizable battery charging profiles for diverse applications
- Compatible with lead acid (Flooded, Gel, AGM) batteries

## Easy to install and monitor

- Compatible with table or wall mounting
- Monitor and troubleshoot using intuitive LCD screen and alarms with menu options
- Easy monitoring using local WiFi connected mobile phone, no internet needed










## Homaya Pro

is available in 3 kW, 4 kW and 6 kW

## The Homaya range

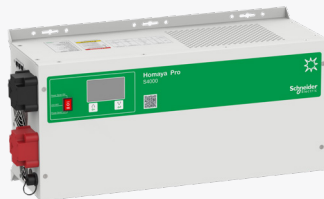
Homaya Pro is the latest addition to Schneider Electric's Homaya range with power capacity from 20 W to 24 kW. It includes Homaya Family, Homaya Family PayG, which incorporates the Pay-As-You-Go technology, Homaya Hybrid and Homaya Pro.

## Customer Benefit

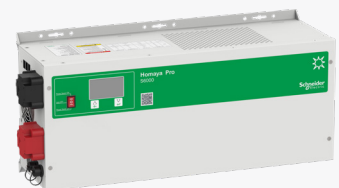
-  Upgrade the off-grid back-up time with additional solar panel array
-  Monitor the inverter with local WiFi and without internet connectivity
-  Harvest the maximum power from the sun
-  Wide grid operating voltage range
-  Efficient battery charging
-  Intuitive LCD/LED display for monitoring and programming
-  Last mile customisation of different lead acid battery
-  Easy to use and install
-  Environment friendly



S3000



S4000



S6000



M1000



M3000



Connect WiFi

# Specifications

Device Name	
Homaya Pro S3000 (AEH-SP01-S3000)	
<b>Inverter AC output</b>	
Output power (continuous) up to 40°C	3000 W / 3000 VA
Overload 15 min / 60 Sec at 25 °C	3750 W / 4500 W
Surge rating for 10 Sec	26 A
Maximum output current 60 seconds (rms)	19.5 A
Output current (continuous) at 40 °C	13.0 A
Output frequency	50 Hz ± 0.3 Hz (when connected off-grid)
Output voltage	L-N: 230 V +/- 10%
Output voltage waveform	Sinewave
Idle consumption	< 25 W
Input DC voltage range	20 V to 32.0 V (24 V nominal)
Maximum input DC current	188 A
Motor load	Up to 2HP
<b>MPPT Charger DC output (Solar Input)</b>	
Maximum output charge current	45 A
Maximum output power	1100 W
Output charge voltage range	20 V – 31.4 V (24 V nominal)
Charge control	Three stage
Compatible battery types	Flooded, Gel, AGM
PV input voltage range (Vmp/Voc)	30 V to 72 V DC
PV maximum voltage	80 V DC
PV Input Maximum Power (Wp)	1200 W
Tracking efficiency	98%
<b>AC Charger DC Output</b>	
Maximum output charge current	50 Amps
Output charge voltage range	20 V – 31.4 V (24 V nominal)
Charge control	Three stage
<b>AC input</b>	
AC (grid) input current max	30 A
Automatic transfer relay rating/typical transfer time	30 A / < 10 mS
AC input voltage range	L-N: 165 V – 265 V
Frequency	50 Hz/ 60 Hz (Auto detection)
AC input frequency range (bypass/charge mode)	47±0.3 Hz ~ 55±0.3 Hz for 50 Hz; 57±0.3 Hz ~ 65±0.3 Hz for 60 Hz;
<b>Efficiency</b>	
Inverter efficiency peak	90%
MPPT efficiency peak	97%
<b>General specifications</b>	
Part number	AEH-SP01-S3000
Product weight / Shipping weight	25 kg / 26.4 kg
Product dimensions in mm (H x W x D)	476.5 x 264 x 183
Shipping dimensions in mm (H x W x D)	565 x 360 x 305
Mounting option	Wall mount or Table mount
IP degree of protection	IP 20, Recommended for indoor usage
Operating air temperature / Humidity range	-15 °C to 40 °C / 5% to 95% RH

Device short name	Homaya Pro S3000 (AEH-SP01-S3000)
General specifications	
Storage temperature	-25 °C to 60 °C
Altitude	2000 Meters
Features	
System monitoring	Local Monitoring with Wi-Fi dongle (Optional)
Intelligent features	Battery priority (Bill Saver) mode operation and Grid priority mode operation Remote Wired Inverter ON / OFF
Communication ports	RS485 for Wi-Fi dongle
Front LCD Display	Charger Current Setting - Configurable
MPPT Scalability	Compatible with external MPPT charger AEH-SP01-M1000
Protection	
Overload (Inverter mode)	Shutdown output after 15 minutes; 110% - 125%, Shutdown output after 30 Sec to 60 Sec: 125% - 150% Shutdown output after 10 Sec to 20 Sec: >150%
Output short-circuit (Inverter mode)	Yes
Over temperature	Yes
Overload (AC bypass mode)	> 30 Amps*
Regulatory approval	
Safety	IEC 62109-1, IEC 62109-2
EMI / EMC directive	IEC 62040-2
Certification	CE, RoHS, SONCAP
Optional Accessory	
Local wireless monitoring	Wi-Fi Dongle

\* Use recommended external MCB or Fuse

Note: Expandability of back-up time especially in Off-grid conditions can be done with higher batteries and more solar panels arrays using external MPPT AEH-SP01-M1000

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