Power your off-grid needs with reliable, affordable and green electricity

Homaya Pro 3 kW

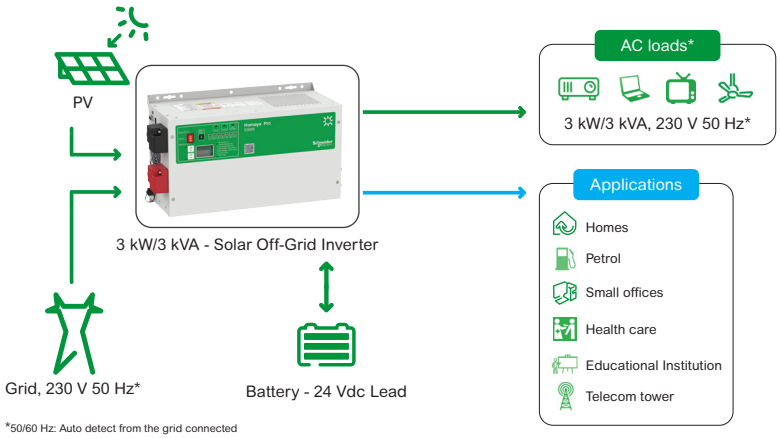
Homaya Pro is a solar-hybrid solution specifically designed for off-grid locations having unreliable or no access to electricity. It provides customizable, reliable and green electricity access. The solution is a sustainable alternative to diesel-powered energy, Homes, Petrol, Small offices, Health care, Educational Institution, Telecom tower ideal for:

Homes | Micro enterprises | Healthcare centers | Telecom towers | Educational institutions

Unique features

- Supports 8 profiles of lead acid battery charging
- 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

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



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

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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, Alarms with menu options
- Easy monitoring using local WiFi connected mobile phone, no internet needed

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.

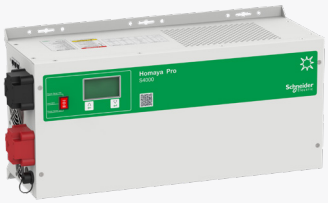
Homaya Pro

is available in 3 kW, 4 kW and 6 kW

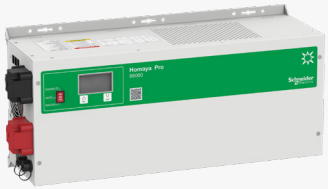
Customer Benefit

- 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 operating voltage window
- Efficient battery charging
- Intuitive LCD/LED display for monitoring and programming
- Last mile customisation of different lead acid battery and LFP charging profiles
- Easy to use and install
- Environment friendly

S3000



S4000



S6000

M1000

M3000

Connect WiFi

Specifications

Device Name	Homaya Pro S3000 (AEH-SP01-S3000)
Inverter AC output	
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
MPPT Charger DC output (Solar Input)	
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
Recommended battery size*	200 Ah to 400 Ah / 24 V
PV input Voltage range (Vmp)	30 V to 72 V DC
PV Open Circuit Voltage (Voc)	80 V DC
PV Input Maximum Power (Wp)	1200 W
Tracking Efficiency	98%
AC Charger DC Output	
Maximum output charge current	50 Amps
Output charge voltage range	20 V – 31.4 V (24 V nominal)
Charge control	Three stage
AC input	
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;
Efficiency	
Inverter Efficiency Peak	90%
MPPT Efficiency Peak	97%
General specifications	
Part number	AEH-SP01-S3000
Product weight / Shipping weight	26.6 kg / 28.5 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
Operating air temperature / Humidity range	-15 °C to 40 °C / 5% to 95% RH

Device short name	Homaya Pro 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 60 Sec: 125% - 150% Shutdown output after 20 Sec: >150%
Output short-circuit (Inverter Mode)	Yes
Over temperature	Yes
Overload (AC bypass mode)	Yes > 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	WiFi Dongle

* Recommended based on off-grid application with standalone inverter. Size may vary based on last-mile customization.

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