



# Homaya Essential-Pro

Energy for all

Homaya Essential Pro is a hybrid solar microgrid that can meet all the energy needs of households, health centres, telecommunications, shops, banks, etc. A flexible and adaptable solution, the power, production and storage of energy can be configured according to customer's needs.

A local monitoring allow the batteries status checking, the consumption of energy produced and consumed at any time on each microgrid available. Remote monitoring and alert services can also be provided.

## Benefits

- Reliable and clean energy without health effects
- Lead or lithium batteries that operate at very high temperatures
- Lower energy bills
- 3 year return on investment
- Real-time remote monitoring system by adding an energy dispenser

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## Product features



Designation	Homaya Essential Pro 3kW	Homaya Essential Pro 4kW	Homaya Essential Pro 6kW
Inverter/Charger (Additional unit on request)	1 x Homaya Pro 3 kW	1 x Homaya Pro 4 kW	1 x Homaya Pro 6 kW
Alternative input voltage range	165 V – 265 V		
Output voltage	230 VCA ±10%		
Battery voltage	24VCC	48VCC	48VCC
Compatible battery types	Flooded, gel, AGM	Flooded, gel, AGM, lithium ion, custom	
Continuous load	3000 W	4000 W	6000 W
Charge controller + additional units	1 x MPPT 1000 + 1 MPPT M1000	1 x MPPT3000 1 MPPT M3000	1 x MPPT3000 1 MPPT M3000
Maximum PV starting current per MPPT	48 A	60 A	60 A
Maximum PV feeder open circuit voltage (Voc) Internal MPPT	80 V	300 V	300 V
Maximum PV feeder open circuit voltage (Voc) External MPPT	80 V	130 V	130 V
Load current per MPPT	45 A	60 A	60 A
Remote control	With additional energy meter		
Isolation	Battery bank, solar charge controller, solar panels, AC input/network auxiliary, AC loads		
Protection	Integrated lightning protection		
IP degree of protection	IP55		
Product dimensions in mm (W x D x H)	750 x 420 x 1000	800 x 600 x 1800	800 x 600 x 1800
Gross weight in kg (with packaging)	165	240	250

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