



## Solar Home System HomePlus Pro

The HomePlus Pro is a solar home system that is designed to provide comprehensive lighting and phone charging for families and businesses without access to electricity. This carefully refined, third-generation solar home system has sufficient power and battery to provide dependable multi-room lighting and smartphone phone charging.

The easy-to-install kit includes a roof-mountable solar panel, a control unit with a robust LFP battery, four 240-lumen tube lights, offering more and brighter lights than predecessor products. The lights can be linked together in series to extend across multiple rooms throughout the home. Each lamp is individually dimmable, with brightness adjustable via a wall-mounted switch.

The control unit also features a USB-A port for phone charging and a convenient phone dock on top of the device. Delivering 1.8 amps through the USB port, the HomePlus Pro enables fast smartphone charging. The large battery and solar panel provide reliable phone charging and lighting.

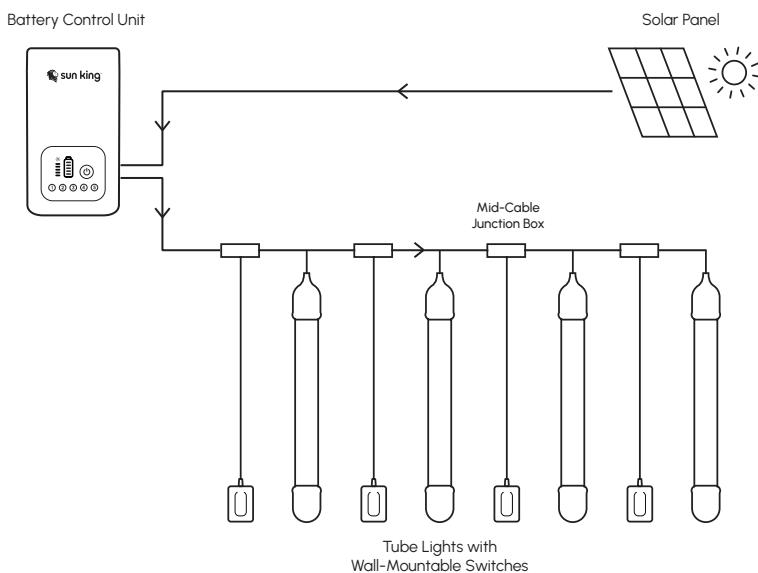
HomePlus Pro's refined, third-generation control electronics are efficient, intuitive, and robust. A Maximum-Power-Point Tracker (MPPT) charge controller, uncommon in products of this class, harnesses the solar panel's full potential. A battery management system automatically dims the lamps and pauses phone charging when the battery charge is low, providing extended lighting for several hours until sunrise.

The HomePlus Pro includes Sun King's EasyBuy "Pay-As-You-Go" (PAYG) technology, enabling customers to take it home with a modest deposit and then make small, regular top-up payments via mobile money. Using its built-in keypad, payments can be applied to HomePlus Pro as a standalone device.

### Key Features

- 4 tube lights** totalling 960 lumens
- 13 Wp solar panel**
- 38.4 Wh LFP battery**
- 55 hours of light** on low-brightness mode
- 10-year battery lifespan** with typical daily use (over 2,500 cycles)
- 2-year warranty**
- USB port** for fast smartphone charging
- PAYG-enabled** EasyBuy technology allows customers to pay in small instalments
- Advanced control electronics** featuring MPPT technology and low-battery, power-saving mode

## System Layout



### Specifications

Total Lumens	960 lumens
Runtime (Lighting Only)	Turbo mode: 5 hours (960 lumens) Normal mode: 11 hours (480 lumens) Low-power mode: 55 hours (100 lumens)
Solar Panel	13 Wp, 11 Vmpp with 8-metre rodent-resistant cable
Battery	3.2 V, 38.4 Wh LFP
Control Unit Ports	1 x solar panel input 2 x 12 V DC output ports for lighting (550 mA max. total) 1 x USB-A phone charging port (5 V, 1.8 A)
Lamps	The HomePlus Pro comes with four 240-lumen tube lights. Each lamp includes a daisy-chainable cable for up to six-metre runs between lamps and a wall-mountable light switch.
PAYG Technology	Keypad PAYG technology with Sun King link: separately licensed API compatible with all PAYG software platforms.
Gross Weight and Package Dimensions	2860 grams, 470 mm x 220 mm x 100 mm
Containerisation	7200 units per 40 HQ container

### Paying with Sun King EasyBuy Pay-As-You-Go Technology



### About Sun King

Sun King is the world's leading off-grid solar energy company with cutting-edge product design, affordable financing, and a grassroots installation model to provide energy to the 1.8 billion consumers across Africa and Asia who lack access to reliable electricity. Founded in 2007, Sun King sets the gold standard for off-grid solar performance and design as part of its mission: powering access to brighter lives. For more information, please visit [www.sunking.com](http://www.sunking.com).