

Insele Solar

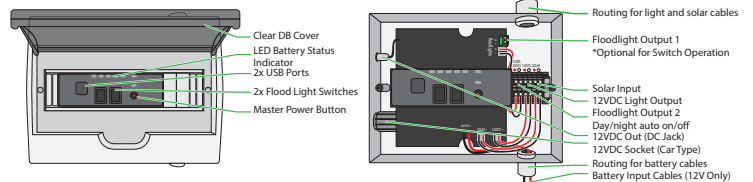


i1000 Homegrow Insele Solar Charger and 12VDC System



The i1000 is the largest 12VDC-only system in the Insele range. It was designed for the Department of Energy's national electrification project which aims to provide basic electricity to remote areas. Over 10,000 systems have been installed in multiple villages across South Africa. The system offers USB charging and 12V solar lighting solutions for large homesteads, helping to eliminate the need for dangerous open flame light sources and providing high-quality LED lighting to residents.

The system includes 8x of our Insele dimmable luminaires (6x Internal Light Fittings and 2x External), our easy-to-install light distribution module, dedicated day/ night connection for the external lights, 1x 50Ah 12V Lithium battery, and a 150W Solar Panel with mounting hardware.



Specifications:

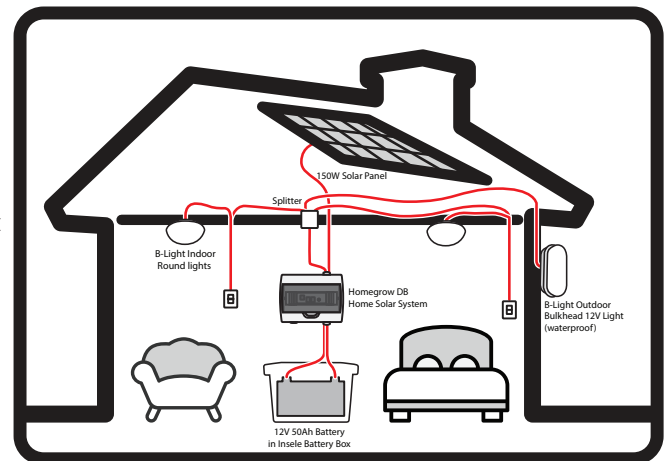


- ◆ 6 x Indoor Ceiling Lights, 2x Outdoor Bulkhead Lights
- ◆ 12VDC dual-function LED lights
- ◆ 0.9W dim, 3W full brightness, 100lm/W
- ◆ Optional Distribution Module for easy light installation
- ◆ 6x Standard Wall Switches



- ◆ 50Ah 12V LiPo battery with battery box
- ◆ 2x 3A USBs; 2x 12VDC Outputs; 1x 12VDC Lighter Socker Output
- ◆ Input Voltage: 18-22VDC; Output Voltage: DC: 12-14VDC
- ◆ PWM Battery Charger, 15A Max Charge Current
- ◆ Est. Run Time: 15hrs+; Est. Charge Time: 4.5hrs
- ◆ 150W Mono/ Poly-Crystalline Solar Panel
- ◆ Unit Size: 440x350x280mm

Typical Installation:



BASIC ELECTRICITY FOR THE COST OF SUNSHINE
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