## Solar Home System

SolarWorks!

Results based on test procedures detailed in Solar Home System Test Method, Ed. 1.0

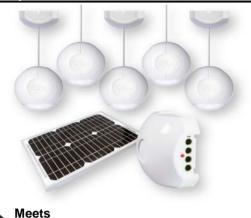
**Quality Standards** 

**Mobile Charging** 

Verify online:

www.example.org/products/sw-shs

Valid Until: August 2017



Available Daily Electrical Energy (Wh/day)

43

Lumens



5 Light Points

1 5-volt USB Ports



4 12-volt Ports



## Warranty Information

A 3-year warranty covering manufacturing defects in the system including the battery.

Performance Details					
		Run Time After a Typical Day of Solar Charging*			
Appliance**	Description	Included/ Advertised	Used Alone***	Used In Combination****	Run Time Units
Main lighting	5 light points on totaling 650 lumens	included	6	2.0	hours
Television	16" TV	advertised	5	1.0	hours
Fan	table fan	advertised	16	2.5	hours
Radio	portable radio	advertised	9	1.5	hours
Mobile	2.6 Wh battery	advertised	15	1.4	number of full charges
Available daily electrical energy**** (Wh/day)		43			
Performance Measure		Brightness Setting: Five lights on			
Lighting full battery run time***** (hours)		7.2			
Total light output (lumens)		650			
Work surface illuminance of a single lamp****** (lux)		64			

<sup>\*</sup> A typical day of solar charging assumes 5 kWh/m²/day

<sup>\*\*</sup>Only included appliances were tested. Run times for other appliances come from manufacturer power ratings or standard estimates.

<sup>\*\*\*</sup> Without any other loads used during the run time

<sup>\*\*\*\*</sup> Based on an example use profile with all of the advertised appliances listed above used in combination

<sup>\*\*\*\*\*</sup> Lighting full battery run time estimates do not account for mobile phone charging or other auxiliary loads; the run time is defined as the time until the output is 70% of the initial, stabilized output.

<sup>\*\*\*\*\*\*</sup> The work surface illuminance is the brightness over two A4 sheets of paper with the brightest light at a distance of 0.75 m.

Lighting Details	LED			
Lamp type	LED			
Description of light points	Five 130-lumen light points			
Lumen efficacy	111 lm/W			
Colour characteristics	CRI 72			
	CCT "Cool" (5000-7000 K)			
Distribution type	Wide			
Lumen maintenance	104% of the original output remains after 2,000 hours of ru			
	time			
Special Features				
Mobile charging and appliances	USB and 12 V ports available to charge devices and powe			
woone charging and appliances	100B and 12 v ports available to charge devices and power			
Durability				
Overall durability and workmanship	Pass			
Durability tests passed	Switch and connector cycling, strain relief test, physical			
	ingress protection			
Solar Details				
PV module type	Polycrystalline silicon			
PV maximum power	14 watts			
Battery Details				
Battery replaceability	Easily replaceable with common tools			
Battery chemistry	Lithium iron phosphate			
Battery package type	4x 26650			
Battery capacity	3.2 Ah			
Battery nominal voltage	12.8 V			
Appropriate battery protection circuit	Pass			
	1 400			
Marks and Certifications	- Landau - L			
Factory certification	ISO 9001			
Safety certification				
Other certification	AC charger has CE mark			
Product Details				
Manufacturer name	SolarWorks!			
Product name	Solar Home System			
Product model / ID number				
Contact information	info@solar-works.nl			
Website	www.solar-works.nl			
SSS Information				
Specs sheet expiration date	August 2017			
Quality Standards Framework Version	2015			