Portable indoor Solar Lighting System

SL1210

Brand name: --

Results based on test procedures detailed in IEC TS 62257-9-5:2024

Verify online:

https://data.verasol.org/products/sek/sfw-sl1210

I: November 30, 2028



Meets the requirements in IEC TS 62257-9-8:2025 for Size A kits

Mobile charging

Light point(s)

► Plug-and-play



WARRANTY INFORMATION

A 1-year warranty covering manufacturing defects in the system.

PERFORMANCE DETAILS

Run time after a typical day of solar charging	
(assuming 5kWh/m²/day)	

VeraSol certified?	Included in kit?	Appliance ^a	Description	Used alone ^b	Used in combination ^c
yes	included	Main lighting unit	4 light points on "on" totaling 680 lumens and 7.3 W power	5 hours	2.7 hours
yes	included	Radio	Radio integrated into main unit with a power consumption of 0.89 W while in use	42 hours	2 hours
no	not included	Smart phone	Smart phone (15 Wh battery)	1.6 full charge(s)	0.67 full charge(s)

Available daily electrical energy [Wh/day]	35
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Performance measure	Brightness setting: 4 lights on "on"
Lighting full battery run time for main unit [hours]	13
Total lighting service (lumen-hours/solar-day) (includes the both main lighting unit and any lights with internal batteries included with the product)	1200

^a Only included appliances were tested. Run times and power ratings for appliances sold separately come from manufacturer ratings or standard estimates.

^b Without any other loads used during the run time

^c Based on an example use profile with all of the appliances listed in the "Used in combination" column used simultaneously.

d 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.

LIGHTING DETAILS								
Lamp name	Number of lamps	Number of settings	Setting name	Light output ^e [lm]	Power consumption [W]	Lumen efficacy ^f [lm/W]	CRI ^g	CCT ^h [K]
3 W bulb	3	1	on	220	2.1	100	85	7400
Integrated light in main unit	1	1	on	24	1	23	72	6500

^e Light output meets the lumen maintenance requirements of IEC TS 62257-9-8: at least 95% of initial value at 1,000 h, or at least 90% of initial value at 2,000 h.

^f Lumen efficacy is the power consumption at a light point during the light output test.

^g Color rendering index. An index of 100 is equivalent to viewing objects in daylight; above 80 is considered good.

^h Correlated color temperature in kelvin. Describes color appearance as warm (2700-3000 K), cool (3000-5000 K), or daylight (>5000 K).

August 2 Section Sec	PORTS						
Durability and workmanship Pass Switch test, Drop test, Strain relief test, Physical ingress protection, PV durability tests passed Main Unit with integrated light and radio PV module Permanent rooftop installation for PV modules 3 W bulb Water ingress protection not tested, meant for indoor use only.	2	USB 2.0 type A		·			
Durability tests passed Switch test, Drop test, Strain relief test, Physical ingress protection, PV durability tests passed Switch test, Drop test, Strain relief test, Physical ingress protection, PV durability tests Has protection from occasional rain; met with appropriate warning label ratio PV module Permanent rooftop installation for PV modules	3	Barrel jack		12 V ports available to power light points.			
Durability tests passed Main Unit with integrated light and radio PV module Permanent rooftop installation for PV modules PV module type Monocrystalline silicon Monocrystalline silicon PV maximum power 10 W PV rated power 10 W PV rated open-circuit voltage (Voc) 21.6 V PMAIN UNIT BATTERY PETALLS Easily replaceable with common tools: however, the warranty is void if product is opened. Battery capacity (tested) Specific Li-ion battery chemistry Lithium-ion Lithium-ion Lithium-ion Specific Li-ion battery chemistry Lithium-ion Specific Li-ion battery capacity (tested) 9.4 Ah Sattery capacity (tested) 9.4 Ah Sattery capacity (tested) 9.4 Ah Sattery capacity (rated) 10.4 h Sattery status / other indicator lights Four LED indicators on the main unit indicate battery life PRODUCT DETAILS Company name (full) Shenzhen FengWo Technology Ltd Company name (full) Shenzhen FengWo Technology Ltd Portable indoor Solar Lighting System Product mame Portable indoor Solar Lighting System Product model or ID number SL1210 Company website Product model or ID number SL1210 Lewis 20330905@gmail.com Portable mass Portable mass	DURABILI	TY					
Level of water protection Main Unit with integrated light and radio	Overall o	durability and workmanship		Pass			
Level of water protection PV module Permanent rooftop installation for PV modules	Durabilit	y tests passed					
Permanent rooftop installation for PV modules 3 W bulb Water ingress protection not tested, meant for indoor use only. Nonocrystalline silicon PV maximum power 10 W PV rated power PV rated open-circuit voltage (Voc) MAIN UNIT BATTERY DETAILS Battery replaceability Easily replaceable with common tools; however, the warranty is void if product is opened. Battery chemistry Lithium-ion Specific Li-ion battery chemistry Battery package type 4x 1260110 Battery capacity (tested) Battery capacity (tested) 9.4 Ah Battery capacity (tested) 10 Ah Battery nominal voltage Battery status / other indicator lights Four LED indicators on the main unit indicate battery life PRODUCT DETAILS Company name (full) Company name ("brand") Product name Portable indoor Solar Lighting System Product model or ID number Company ontact information Lewis20230905@gmail.com Company website Mass n/a SSS INFORMATION Expiration date November 30, 2028	integrated light and radio			Has protection from occasional rain; met with appropriate warning label			
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	Revision			2025.12			