

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>

Valid until: November 30, 2028



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

4

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/m ² /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
--	----

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).

PORTS			
2	USB 2.0 type A		Mobile phones and radios can be charged. Adapters are included.
3	Barrel jack		12 V ports available to power light points.
DURABILITY			
Overall durability and workmanship			Pass
Durability tests passed			Switch test, Drop test, Strain relief test, Physical ingress protection, PV durability tests
Level of water protection	Main Unit with integrated light and radio	Has protection from occasional rain; met with appropriate warning label	
	PV module	Permanent rooftop installation for PV modules	
	3 W bulb	Water ingress protection not tested, meant for indoor use only.	
SOLAR DETAILS			
PV module type			Monocrystalline silicon
PV maximum power			10 W
PV rated power			10 W
PV rated open-circuit voltage (V _{OC})			21.6 V
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			lithium nickel manganese cobalt oxide
Battery package type			4x 1260110
Battery capacity (tested)			9.4 Ah
Battery capacity (rated)			10 Ah
Battery nominal voltage			11.1 V
Battery 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 ("brand")			--
Product name			Portable indoor Solar Lighting System
Product model or ID number			SL1210
Company contact information			lewis20230905@gmail.com
Company website			--
Mass			n/a
SSS INFORMATION			
Expiration date			November 30, 2028
Revision			2025.12