

Solar Home System Kit PS-114-K003

PS114-K003

Brand name: Zimpertec

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

Verify online:

<https://data.verasol.org/products/sek/zimp-114>

Valid until: September 30, 2028



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

Mobile charging

PAYG

Pay-As-You-Go option available

2

Light point(s)



Plug-and-play



WARRANTY INFORMATION

A 3-year warranty covering manufacturing defects.

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	2 light points on high totaling 240 lumens and 2 W power	16 hours	9.3 hours
no	not included	Mobile phone	Basic phone (3.7 Wh battery)	5.6 full charge(s)	2.3 full charge(s)

Available daily electrical energy [Wh/day]	31
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Performance measure	Brightness setting: high
Lighting full battery run time for main unit [hours]	19
Total lighting service (lumen-hours/solar-day) (includes the both main lighting unit and any lights with internal batteries included with the product)	3840

^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 [lm]	Power Consumption [W]	Lumen efficacy ^e [lm/W]	CRI ^f	CCT ^g	Lumen maintenance ^h
1.1 W lamp (PSL-3.1/140-06)	2	3	high	120	1	120	82	6000	102

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

^f Color Rendering Index. An index of 100 is equivalent to viewing objects in daylight; above 80 is considered good.

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

^h Percent of the original light output that remains after 2,000 hours of run time.

PORTS		
1	USB 2.0 type A	 Mobile phones and radios can be charged. Adapters are not included.
3	Barrel jack	 3.1 V port for powering lights.
DURABILITY		
Overall durability and workmanship		Pass
Durability tests passed		Switch test, Strain relief test, Physical ingress protection, PV durability tests
Level of water protection	Main Unit	Water ingress protection not tested, meant for indoor use only.
	PV module	Permanent rooftop installation for PV modules
SOLAR DETAILS		
PV Module Type		Polycrystalline silicon
PV Maximum Power		9.3 W
PV Rated Power		10 W
PV Open-Circuit Voltage (V_{OC})		6 V
MAIN UNIT BATTERY DETAILS		
Battery Replaceability		Not easily replaceable with common tools.
Battery Chemistry		Lithium iron phosphate
Specific Li-ion Battery Chemistry		lithium iron phosphate
Battery Package Type		26700
Battery Capacity (tested)		12.3 Ah
Battery Capacity (rated)		11.4 Ah
Battery Nominal Voltage		3.2 V
Battery status / other indicator lights		One indicator for PV charging, load status, output overload, and credit.
PRODUCT DETAILS		
Company Name (full)		Zimpertec GmbH & Co KG
Company Name ("brand")		Zimpertec
Product Name		Solar Home System Kit PS-114-K003
Product Model or ID Number		PS114-K003
Company Contact Information		info@zimpertec.com
Company Website		www.zimpertec.com
Mass		n/a
SSS INFORMATION		
Expiration Date		September 30, 2028
Revision		2025.09