

LSX 115-K001 Solar Home System Kit

LSX115-K001

Brand name: Zimpertec

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

Verify online:

<https://data.verasol.org/products/sek/zim-lsx>

Valid until: September 30, 2028



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

Mobile charging

PAYG

Pay-As-You-Go option available

2

Light point(s)



Plug-and-play



WARRANTY INFORMATION

A 3-year warranty covering 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	3 light points on on totaling 810 lumens and 6 W power	27 hours	13 hours
yes	not included	Television	32" diagonal television (13 W power consumption while in use)	16 hours	6.7 hours
no	not included	Radio	Portable radio (Li-ion battery: 1 Ah, 3.7 V) with power consumption of 0.5 W while in use	180 hours	10 hours
no	not included	Mobile phone	Basic phone (3.7 Wh battery)	33 full charge(s)	3.4 full charge(s)

Available daily electrical energy [Wh/day]	190
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Performance measure	Brightness setting: on
Lighting full battery run time for main unit [hours]	27
Total lighting service (lumen-hours/solar-day) (includes the both main lighting unit and any lights with internal batteries included with the product)	21600

^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
2 W Lamp (SFLw-12/02CW-06T)	3	1	on	270	2	140	81	5900	97

^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		
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 and appliances.
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		Monocrystalline silicon
PV Maximum Power		51 W
PV Rated Power		50 W
PV Open-Circuit Voltage (V_{oc})		20.6 V
MAIN UNIT BATTERY DETAILS		
Battery Replaceability		Not easily replaceable with common tools.
Battery Chemistry		Lithium iron phosphate
Battery Capacity (tested)		12.1 Ah
Battery Capacity (rated)		11.5 Ah
Battery Nominal Voltage		12.8 V
Battery status / other indicator lights		One screen for PV charging, load status, output overload, battery level, temperature and credit
PRODUCT DETAILS		
Company Name (full)		Zimpertec GmbH & Co KG
Company Name ("brand")		Zimpertec
Product Name		LSX 115-K001 Solar Home System Kit
Product Model or ID Number		LSX115-K001
Company Contact Information		info@zimpertec.com
Company Website		www.zimpertec.com
Mass		n/a
SSS INFORMATION		
Expiration Date		September 30, 2028
Revision		2025.1