

LSX 11.5 Solar Home System Kit

LSX115-VX005
Zimpertec GmbH & Co.KG

Results based on test procedures detailed in IEC TS 62257-9-5 and IEC TS 62257-9-8

Verify online:
<https://data.verasol.org/products/sek/zim-lsx>
Valid until: October 31, 2024



Meets the requirements in IEC TS 62257-9-8 for Size B Kits



Mobile charging



Pay-As-You-Go option available



Light point(s)



Plug-and-play



WARRANTY INFORMATION

3 years for the system and 3 years for the battery after purchase for the original purchase for all materials or workmanship defects.

PERFORMANCE DETAILS

VeraSol Certified?	Included in Kit?	Appliance ^a	Description	Run time after a typical day of solar charging (assuming 5kWh/m ² /day)	
				Used alone ^b	Used in combination ^c
yes	included	Main lighting unit	3 light points on On totaling 950 lumens and 6.3 W power	26 hours	13 hours
no	not included	Television	24" diagonal (10 W power consumption while in-use)	19 hours	6.7 hours
no	not included	Mobile phone	Smart phone (5.7 Wh battery)	21 full charge(s)	3.4 full charge(s)
no	not included	Radio	Portable radio (Li-ion battery: 1 Ah, 3.7 V) with power consumption of 0.5 W while in use	230 hours	10 hours

Available daily electrical energy ^c (Wh/day)	180
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Performance measure	Brightness setting: On
Lighting full battery run time ^d for main unit (hours)	26
Total lighting service (lumen-hours/solar-day) (includes the both main lighting unit and any lights with internal batteries included with the product)	24700

^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	Light output (lm)	Lumen efficacy ^e (lm/W)	CRI ^f	CCT ^g	Distribution type	Lumen maintenance ^h
2 W lamp	3	1	On	320	150	80	6700	Wide	100%

^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 degrees 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

SPECIAL FEATURES			
One-Year Datalogger built-in			
MPPT Charge Controller			
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 charge devices and power appliances and light points.
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 and lights	Water ingress protection not tested, meant for indoor use only.	
	PV module	Has protection from permanent outdoor exposure.	
SOLAR DETAILS			
PV module type		Polycrystalline silicon	
PV maximum power		49 watts	
MAIN UNIT BATTERY DETAILS			
Battery replaceability		Not easily replaceable with common tools.	
Battery chemistry		Lithium iron phosphate	
Battery capacity		13 Ah	
Battery nominal voltage		12.8 V	
Battery status/ other indicator lights		One screen for battery level	
PRODUCT DETAILS			
Manufacturer name		Zimpertec GmbH & Co.KG	
Product name		LSX 11.5 Solar Home System Kit	
Product model / ID number		LSX115-VX005	
Website		www.zimpertec.com	
Dimensions (entire product in package)		Multiple packages. Contact manufacturer for more information.	
SSS INFORMATION			
Specs sheet expiration date		October 31. 2024	
Revision		2022.11	