

Power Brick

PS114-K007

Zimpertec GmbH & Co KG

Verify online:

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

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

Valid until: March 31, 2025



Meets the requirements in IEC TS 62257-9-8:2020 for Size A Kits



Mobile charging

PAYG

Pay-As-You-Go option available

2

Light point(s)



Plug-and-play



WARRANTY INFORMATION

3 year warranty

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	Two light points on High totaling 230 lumens and 1.6 W power	21 hours	10 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	37 hours	7.8 hours
no	not included	Mobile phone	Smart phone (5.7 Wh battery)	5.7 full charge(s)	2.6 full charge(s)

Available daily electrical energy ^c (Wh/day)	28
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Performance measure	Brightness setting: High
Lighting full battery run time ^d for main unit (hours)	24
Total lighting service (lumen-hours/solar-day) (includes the both main lighting unit and any lights with internal batteries included with the product)	4830

^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)	CR ^f	CCT ^g	Distribution type	Lumen maintenance ^h
PSL-3.1 / 100-06 LED light	2	3	High	120	150	80	6500	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

PORTS			
1	USB 2.0 type A		Mobile phones and radios can be charged. Adapters are included.
2	Barrel jack		12 V ports available to power light points.
DURABILITY			
Overall durability and workmanship			Pass
Durability tests passed			Switch test, Strain relief test, Physical ingress protection, PV durability tests, IP4X
Level of water protection	Main Unit	Has protection from occasional rain; met IPX2	
	PV module	Has protection from permanent outdoor exposure.	
	PSL-3.1 / 100-06 LED light	Has protection from occasional rain; met IPX2	
SOLAR DETAILS			
PV module type			Polycrystalline silicon
PV maximum power			9.3 watts
MAIN UNIT BATTERY DETAILS			
Battery replaceability			Easily replaceable with common tools; however, the warranty is void if product is opened.
Battery chemistry			Lithium iron phosphate
Battery capacity			12 Ah
Battery nominal voltage			3.2 V
Battery status/ other indicator lights			One screen shows PV charging, light status, battery level
PRODUCT DETAILS			
Manufacturer name			Zimpertec GmbH & Co KG
Product name			Power Brick
Product model / ID number			PS114-K007
Contact information			info@zimpertec.com
Website			https://www.zimpertec.com
Dimensions (entire product in package)			Multiple packages. Contact manufacturer for more information.
SSS INFORMATION			
Specs sheet expiration date			March 31, 2025
Revision			2023.03