## Solar Home Light Kit VEK-8L Shanghai EASY Renewable Energy Co., Ltd

Verify online: https://data.verasol.org/products/sek/sez-vek8/ Valid until: December 31, 2022

Meets the Lighting Global Pico-PV Quality Standards Mobile charging 3 Light point(s) Plug-and-play



WARRANTY INFORMATION A 2-year warranty covering manufacturing defects. PERFORMANCE DETAILS

				Run time after a typica	al day of solar charging
				(assuming 5	kWh/m²/day)
VeraSol Certified?	Included in Kit?	Appliance <sup>a</sup>	Description	Used alone <sup>b</sup>	Used in combination <sup>c</sup>
yes	included	Main lighting unit	3 light points on "On" totaling 490 lumens and 5.6 W power	5 hours	3.5 hours
no	not included	Mobile phone	Basic phone (3.7 Wh battery)	4.7 full charge(s)	0.9 full charge(s)

23 Available daily electrical energy<sup>c</sup> (Wh/day)

Performance measure	Brightness setting: On
Lighting full battery run time <sup>d</sup> for main unit (hours)	9.7
Total lighting service (lumen-hours/solar-day) (includes the both main lighting unit and any lights with internal batteries included with the product)	2500

<sup>a</sup> Only included appliances were tested. Run times and power ratings for appliances sold separately come from manufacturer ratings or standard estimates.

<sup>b</sup> Without any other loads used during the run time

° Based on an example use profile with all of the appliances listed in the "Used in combination" column used simultaneously.

<sup>d</sup> 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 (Im)	Lumen efficacy <sup>e</sup> (Im/W)	CRI <sup>f</sup>	CCT <sup>g</sup>	Distribution type	Lumen maintenance <sup>h</sup>
180 lm bulb	2	1	On	170	80	72	6800	Wide	99%
120 lm bulb	1	1	On	150	104	73	7700	Wide	

<sup>e</sup> Lumen efficacy is the power consumption at a light point during the light output test.

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

<sup>9</sup> Correlated Color Temperature in degrees Kelvin. Describes color appearance as warm (2700-3000 K), cool (3000-5000 K), or daylight (>5000 K)

<sup>h</sup> Percent of the original light output that remains after 2,000 hours of run time

2     USB 2 0 type A     Mode phones can be charged. Adapters are not included.       3     Barel jack     3.7 V DC ports for LED bubs       Overall durability and workmanship     Pass       Durability tests passed     Switch test, Strain relief test, Physical ingress protection, PV durability tests       Durability tests passed     Switch test, Strain relief test, Physical ingress protection, PV durability tests       Durability tests passed     Main Unit     Water ingress protection not tested, meant for indoor use only.       PV module     Has protection from permanent outdoor exposure.       SOLAR DETAILS     Polycrystalline silicon       PV module type     Polycrystalline silicon       PV module type     Polycrystalline silicon       PV module type     Vota easily replaceable with common tools.       Battery chemistry     Utilum-ion       Battery capacity     Not easily replaceable with common tools.       Battery capacity     188 Ah       Battery capacity or mained to targing status.     3.7 V       Battery capacity or modified to the present LED indicate battery capacity and charging status.       Battery capacity or modified to the present LED indicate battery capacity and charging status.       Battery capacity or modified to the present LED indicate battery capacity and charging status.       Battery capacity or modified to the present LED indicate battery capacity and charging status.       Product meaff LID numbe	PORTS						
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