

# PEG Life 32 PAYGO Solar Home System Kit.

PL32  
PEG Africa

Verify online:

<https://data.verasol.org/products/sek/pa-pl32>

Valid until: March 31, 2024

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



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



Mobile charging

PAYG

Pay-As-You-Go option available

6

Light point(s)



Plug-and-play



## WARRANTY INFORMATION

A 2-year warranty covering manufacturing defects in the system and a 1-year warranty for the torch, radio, and phone charger.

## PERFORMANCE DETAILS

				Run time after a typical day of solar charging (assuming 5kWh/m <sup>2</sup> /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 (3x bulb lamp and 2x tube lamp)	5 light points on High totaling 2000 lumens and 16 W power	13 hours	3.5 hours
yes	included	Torch	82 lumens torch (Li-ion battery: 2.3 Ah, 3.7 V)	69 hours	3.5 hours
yes	included	Television	32" diagonal (12 W power consumption while in-use)	19 hours	1.8 hours
yes	included	Radio	Portable (Li-ion battery: 1.0 Ah, 3.7 V), with a power consumption of 0.28 W while in-use	590 hours	2.7 hours
no	not included	Mobile phone	Smart phone (5.7 Wh battery)	26 full charge(s)	0.89 full charge(s)
no	not included	Fan	Large table/standing/ceiling fan (larger than 16" diameter, 28 W power)	7.9 hours	4.4 hours

Available daily electrical energy <sup>c</sup> (Wh/day)	220
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Performance measure	Brightness setting: High
Lighting full battery run time <sup>d</sup> for main unit (hours)	13
Lighting full battery run time of the torch powered by torch battery (hours)	69
Total lighting service (lumen-hours/solar-day) (includes the both main lighting unit and any lights with internal batteries included with the product)	22900

<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

<sup>c</sup> 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 (lm)	Lumen efficacy <sup>a</sup> (lm/W)	CRI <sup>f</sup>	CCT <sup>g</sup>	Distribution type	Lumen maintenance <sup>h</sup>
Bulb lamp	3	2	High	230	120	85	6300	Wide	99%
Tube lamp	2	2	High	650	120	85	6600	Wide	99%
Torch	1	2	high	82	63	74	10000	Wide	99%

<sup>a</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>g</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

PORTS		
4	USB 2.0 type A	 Mobile phones and radios can be charged. Adapters are included.
8	Barrel jack	 12 V ports available to charge devices and power appliances and light points. (3 ports for charging and powering appliances. Other 5 mini DC ports are used for light ports only.)
DURABILITY		
Overall durability and workmanship		Pass
Durability tests passed		Switch test, Drop 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	Has protection from permanent outdoor exposure
	Torch	Has protection from occasional rain; met IPX1
	Television	Water ingress protection not tested, meant for indoor use only.
	Radio	Water ingress protection not tested, meant for indoor use only.
SOLAR DETAILS		
PV module type		Polycrystalline silicon
PV maximum power		80 watts
MAIN UNIT BATTERY DETAILS		
Battery replaceability		Not easily replaceable with common tools.
Battery chemistry		Lithium iron phosphate
Battery capacity		18 Ah
Battery nominal voltage		12.8 V
Battery status/ other indicator lights		Battery charge status on main unit screen.
PRODUCT DETAILS		
Manufacturer name		PEG Africa
Product name		PEG Life 32 PAYGO Solar Home System Kit.
Product model / ID number		PL32
Contact information		info@pegafrica.com
Website		www.pegafrica.com
Dimensions (entire product in package)		40 x 34 x 24 cm
Mass		5630 g
SSS INFORMATION		
Specs sheet expiration date		March 31, 2024
Revision		2022.03