Solar Home System ZSPD-LFP0100B40

ZSPD-LFP0100B40 Zigong Xingchuan Photoelectric Co., Ltd

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

## Valid until: January 31, 2024



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

- Mobile charging Light point(s)





## VARRANTY INFORMATION

A 2-year warranty covering entire system and included appliances, including free maintenance service for manufacturing defects and normal wear and tear PERFORMANCE DETAILS

## Run time after a typical day of solar charging

				(a	ssuming 5kWh/m²/da
VeraSol Certified?	Included in Kit?	<b>Appliance</b> <sup>a</sup>	Description	Used alone <sup>b</sup>	Used in combination <sup>c</sup>
yes	included	Main lighting unit	4 light points totaling 2040 lumens and 27 W power	17 hours	7 hours
no	not included	Fan	16" table fan (15 W max power)	24 hours	8.8 hours
no	not included	Television	22" TV (18 W power while in use)	20 hours	3.5 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]	740 hours	5.3 hours
no	not included	Torch	2.25 W flashlight	750 hours	7 hours
no	not included	Smartphone	Smart phone (5.7 Wh battery)	40 hours	1.8 hours

## 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)	26
Total lighting service (lumen-hours/solar-day) (includes the both main lighting unit and any lights with internal batteries included with the product)	34700

350

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

Without any other loads used during the run time

<sup>2</sup> Based on an example use profile with all of the appliances listed in the "Used in combination" column used simultaneously.

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>	CCTª	Distribution type	Lumen maintenance <sup>h</sup>
5 W Lamp	4	1	On	510	96	83	6500	Wide	100%

<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>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

2 USB 20 type A Mobile phones can be charged. Adapters are included.   8 Barrel jack All barrel jack ports are 12V and intended for powering lamps, tablebitanding fan, and TV.   1 Cigarets lighter IV Post for powering appliances   Overall durability and workmanship Pass   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.   Level of water protection PV module Has protection from permanent outdoor exposure.   5 W lamp Water ingress protection not tested, meant for indoor use only.   PV module type Polycrystalline silicon   PV module type 97 watts   Battery package type Utilium iron phosphate   Easily replaceability Easily replaceable with common tools; however, the warranty is void if product is opened.   Battery package type FR20050   Battery package type FR20050   Battery package type Yash   Battery package t	PORTS							
1   Cigarette lighter   12 V port for powering appliances     DURABILITY     Overall durability and workmanship   Pass     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.     Level of water protection   PV module   Has protection from permanent outdoor exposure.     5 W lamp   Water ingress protection not tested, meant for indoor use only.     SolAR DETAILS     PV module type   Polycrystalline silicon     Battery peliceability   Easily replaceability     Battery peliceability   Easily replaceabile with common tools; however, the warranty is void if product is opened.     Battery peliceability   Ithium iron phosphate     Battery proveniaty   Ithium iron phosphate     Battery protection   Y a A h     Battery protection   Solar Horne System ZSPO_LFP0100B40     Product name   Solar Horne System	2	USB 2.0 type A		Mobile phones can be charged. Adapters are included.				
DURABILITY     Pass       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     Has protection from permanent outdoor exposure.     SWIANDERSEND	8	Barrel jack -		All barrel jack ports are 12V and intended for powering lamps, table/standing fan, and TV.				
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