

Solar Power System

S130
StarTimes

Verify online:

<https://data.verasol.org/products/sek/st-s130>

Valid until: October 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

4

Light point(s)



Plug-and-play



WARRANTY INFORMATION

2 year warranty for the main unit and lamp, 5 year warranty for the PV, 1 year warranty for accessories.

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	4 light points on High totaling 540 lumens and 3.6 W power	36 hours	3.2 hours
no	not included	Television	18 W power consumption while in-use	9.4 hours	1.7 hours
no	not included	Mobile phone	Smart phone (5.7 Wh battery)	20 full charge(s)	0.86 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	200 hours	2.5 hours
no	not included	Fan	Large table/standing/ceiling fan (larger than 16" diameter, 28 W power)	6 hours	4.2 hours

Available daily electrical energy^c (Wh/day)

170

Performance measure

Brightness setting: High

Lighting full battery run time^d for main unit (hours)

36

Total lighting service (lumen-hours/solar-day)

19400

(includes the both main lighting unit and any lights with internal batteries included with the product)

^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
LB1	4	2	High	130	110	86	6200	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

2

USB 2.0 type A



Mobile phones and radios can be charged. Adapters are included.

4

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 LED lamp	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		50 watts
MAIN UNIT BATTERY DETAILS		
Battery replaceability		Not easily replaceable with common tools.
Battery chemistry		Lithium iron phosphate
Battery capacity		11 Ah
Battery nominal voltage		12.8 V
Battery status/ other indicator lights		One screen shows battery level
PRODUCT DETAILS		
Manufacturer name		StarTimes
Product name		Solar Power System
Product model / ID number		S130
Contact information		wangliang@startimes.com.cn
Website		www.startimes.com.cn
Dimensions (entire product in package)		Multiple packages. Contact manufacturer for more information.
Mass		n/a
SSS INFORMATION		
Specs sheet expiration date		October 31, 2024
Revision		2023.09