

S130 Solar Power System

S130

Brand name: StarTimes

Verify online:

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

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

Valid until: February 28, 2027



Meets the Requirements in IEC TS 62257-9-8:2020 for Size B kits



Mobile charging

PAYG

Pay-As-You-Go option available

4

Light point(s)



Plug-and-play



WARRANTY INFORMATION

A 2-year warranty for the main unit and lights, and a 5-year warranty for the PV module.

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	4 light points on High totaling 480 lumens and 4 W power	148 hours	3.3 hours
no	not included	Television	18 W power consumption while in-use	10 hours	1.7 hours
no	not included	Tablet	Tablet computer (15 Wh battery)	7.7 hours	0.8 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	220 hours	2.5 hours
no	not included	Fan	Large table/standing/ceiling fan (larger than 16" diameter, 28 W power)	6.5 hours	4.2 hours

Available daily electrical energy ^c (Wh/day)	180
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Performance measure	Brightness setting: high
Lighting full battery run time ^d for main unit (hours)	37
Total lighting service (lumen-hours/solar-day) (includes the both main lighting unit and any lights with internal batteries included with the product)	17800

^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)	Power consumption (W)	Lumen efficacy ^a (lm/W)	CRI ^f	CCT ^g	Distribution type	Lumen maintenance ^h
1.1 W LED Lamp	4	2	high	120	1.0	120	84	6400	Wide	99%

^a 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.
3	Barrel jack	 12.8 V ports for powering TV 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	Water ingress protection not tested, meant for indoor use only.
	PV module	Has protection from permanent outdoor exposure
SOLAR DETAILS		
PV module type		Monocrystalline silicon
PV maximum power		50 watts
PV rated power		50 watts
PV open-circuit voltage (V _{OC})		21.7 volts
MAIN UNIT BATTERY DETAILS		
Battery replaceability		Not easily replaceable with common tools.
Battery chemistry		Lithium iron phosphate
Battery package type		32700
Battery capacity		12 Ah
Rated Battery capacity		12 Ah
Battery nominal voltage		12.8 V
Battery status / other indicator lights		one indicator for battery level, one indicator for power useage, one indicator for ID and credit
PRODUCT DETAILS		
Company name		StarTimes Software Technology Co., Ltd.
Brand Name		StarTimes
Product name		S130 Solar Power System
Product model / ID number		S130
Contact information		wiangliang@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		February 28, 2027
Revision		2025.03