

S350 Solar Power System

S350
Brand name: StarTimes

Verify online:
<https://data.verasol.org/products/sek/st-s350>
Valid until: August 31, 2025

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



Meets the Requirements in IEC TS 62257-9-8:2020 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 covering manufacturing defects in the main unit, LED lights, and solar charging cable.
A 5-year warranty covering manufacturing defects in the solar panel.
A 1-year warranty covering manufacturing defects in the USB charging cable.

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	Four light points on "High" totaling 540 lumens and 4.8 W power	65 hours	5.9 hours
no	not included	Smart phone	Smart phone (5.7 Wh battery)	37 full charge(s)	1.5 full charge(s)
no	not included	Television	18 W power consumption while in use	17 hours	3 hours
no	not included	Fan	Large table/standing/ceiling fan (larger than 16" diameter, 28 W power)	11 hours	7.5 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	420 hours	4.5 hours
no	not included	Subwoofer	Speaker / sound system (20 W power consumption while in use)	14 hours	n/a

Available daily electrical energy ^c (Wh/day)	310
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Performance measure	Brightness setting: Four lamps on "high"
Lighting full battery run time ^d for main unit (hours)	66
Total lighting service (lumen-hours/solar-day) (includes the both main lighting unit and any lights with internal batteries included with the product)	35600

^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 ^e (lm/W)	CRI ^f	CCT ^g	Distribution type	Lumen maintenance ^h
Lamp (LB1)	4	2	high	130	1.1	110	86	6200	Wide	100%
			low	66	not tested	130	87	6200		

^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.
3	Barrel jack		12 V ports are available to power light points.
1	Other		12 V port available to power appliances.
1	Cigarette lighter		12 V port.
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 and Lighting	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		100 watts	
PV rated power		100 watts	
PV open-circuit voltage (V _{OC})		21.7 volts	
MAIN UNIT BATTERY DETAILS			
Battery replaceability		Easily replaceable with common tools; however, the warranty is void if product is opened.	
Battery chemistry		Lithium iron phosphate	
Battery package type		26650	
Battery capacity		26 Ah	
Battery nominal voltage		12.8 V	
Battery status / other indicator lights		One screen for power usage status, battery level, and credit available.	
PRODUCT DETAILS			
Company name		StarTimes Technology Co., Ltd	
Brand Name		StarTimes	
Product name		S350 Solar Power System	
Product model / ID number		S350	
Contact information		wangliang@startimes.com.cn	
Website		www.startimes.com.cn	
Dimensions (entire product in package)		37 x 34 x 30 cm	
Mass		8280 g	
SSS INFORMATION			
Specs sheet expiration date		August 31, 2025	
Revision		2025.02	