

S350 Solar Power System

S350
Brand name: StarTimes

Verify online:
<https://data.verasol.org/products/sek/st-s350>
Valid until: December 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
---	-----

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			December 31, 2025
Revision			2025.08