

Solar Power System

S350

Brand name: StarTimes

Results based on test procedures detailed in IEC TS 62257-9-5 Ed. 5

Verify online:

<https://data.verasol.org/products/sek/st-s350>

Valid until: February 28, 2027



Meets the requirements in IEC TS 62257-9-8:2025 for B kits

Mobile charging

PAYG

Pay-as-you-go option available

4

Light point(s)



Plug-and-play



WARRANTY INFORMATION

5-year warranty is provided for PV; 2-year warranty is provided for control unit, Solar charging cable and DC LED Lights; 1-year warranty is provided for 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	4 light points on high totaling 440 lumens and 4 W power	51 hours	8.4 hours
no	not included	Smart phone	Smart phone (15 Wh battery)	10 full charge(s)	--
no	not included	TV	(18 W power consumption while in use).	12 hours	4.2 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	290 hours	6.4 hours
no	not included	Tablet	Tablet computer (30 Wh battery)	4.6 hours	2.1 hours

Available daily electrical energy [Wh/day]	200
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Performance measure	Brightness setting: 4 lights on high
Lighting full battery run time for main unit [hours]	89
Total lighting service (lumen-hours/solar-day) (includes the both main lighting unit and any lights with internal batteries included with the product)	22400

^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 name	Light output ^e [lm]	Power consumption [W]	Lumen efficacy ^f [lm/W]	CRI ^g	CCT ^h [K]
1.1 W lamp	4	2	high	110	1	100	83	6200
			low	52	0.57	90	83	6200

^e Light output meets the lumen maintenance requirements of IEC TS 62257-9-8: at least 95% of initial value at 1,000 h, or at least 90% of initial value at 2,000 h.

^f Lumen efficacy is the power consumption at a light point during the light output test.

^g Color rendering index. An index of 100 is equivalent to viewing objects in daylight; above 80 is considered good.

^h Correlated color temperature in kelvin. Describes color appearance as warm (2700-3000 K), cool (3000-5000 K), or daylight (>5000 K).

PORTS		
2	USB Type A, Standard, 2.0	 12 V ports are available to power light points.
5	Barrel jack	 12 V port available to power appliances.
1	Cigarette lighter	 12 V port available to power appliances.
DURABILITY		
Overall durability and workmanship		Pass
Durability tests passed		Switch test, Strain relief test, Physical ingress protection
Level of water protection	Main Unit	Water ingress protection not tested, meant for indoor use only.
	PV module	Permanent rooftop installation for PV modules
	1.1 W lamp	Water ingress protection not tested, meant for indoor use only.
SOLAR DETAILS		
PV module type		Monocrystalline silicon
PV maximum power		100 W
PV rated power		100 W
PV rated open-circuit voltage (V_{OC})		21.7 V
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		32140
Battery capacity (tested)		30 Ah
Battery capacity (rated)		30 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 (full)		StarTimes Software Technology Co., Ltd.
Company name ("brand")		StarTimes
Product name		Solar Power System
Product model or ID number		S350
Company contact information		wangliang@startimes.com.cn
Company website		www.startimes.com.cn
Mass		n/a
SSS INFORMATION		
Expiration date		February 28, 2027
Revision		2026.01