

SunBell Smart Y

Bright Products

Results based on test procedures detailed in IEC 62257-9-5 v.4

Verify online:

<https://data.verasol.org/products/sek/bp-sbsmarty>

Valid until: August 31, 2022



Meets the Lighting Global Pico-PV Quality Standards



Mobile charging

1

Light point(s)



Plug-and-play



WARRANTY INFORMATION

A 2-year warranty covering manufacturing defects.

PERFORMANCE DETAILS

			Run time after a typical day of solar charging (assuming 5kWh/m ² /day)	
			Used alone ^b	Used in combination ^c
	Appliance ^a	Description		
included in kit	Integrated Light	1 light point on high totaling 110 lumens and 0.9 W power	5.6 hours	1.5 hours
sold separately	Smart Phone	Smart phone (5.7 Wh battery)	0.5 full charges	0.4 full charges

Available daily electrical energy^c (Wh/day) 4

Performance measure	Brightness setting: High
Lighting full battery run time ^d for main unit (hours)	8.2
Total lighting service (lumen-hours/solar-day) <i>(includes the both main lighting unit and any auxiliary lights included with the product)</i>	620

^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
Integrated Light	1	3	High	110	120	84	4100	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

SPECIAL FEATURES		
Product Housing	★ UV resistant plastic	
Ingress protection	★ Product meets IP64 (Has protections from dust and frequent rain)	
PORTS		
1	USB 2.0 type A  Mobile phones can be charged. Adapters are included.	
DURABILITY		
Overall durability and workmanship	Pass	
Durability tests passed	Switch test, Drop test, Strain relief test, physical ingress protection.	
Level of water protection	Integrated Light Point	Has protection from frequent rain; met IPX3
	PV module	Has protection from permanent outdoor exposure.
SOLAR DETAILS		
PV module type	Monocrystalline silicon	
PV maximum power	1.8 watts	
BATTERY DETAILS		
Battery replaceability	Not easily replaceable with common tools.	
Battery chemistry	Lithium-ion	
Battery package type	18650	
Battery capacity	2.3 Ah	
Battery nominal voltage	3.7 V	
Battery status indication	The indicator shows charging and discharging conditions.	
MARKS AND CERTIFICATIONS		
Other certification	CE, ROHS	
PRODUCT DETAILS		
Manufacturer name	Bright Products	
Product name	SunBell Smart Y	
Contact information	info@bright-products.com	
Website	http://bright-products.com/	
Dimensions (entire product in package)	15 x 15 x 16 cm	
Mass	662 g	
SSS INFORMATION		
Specs sheet expiration date	August 31, 2022	
Quality standards framework version	2018	
Revision	2019.11	