Sunny 220

Sunnydayz

Results based on test procedures detailed in
Lighting Global Solar Home System test method, IEC 62257-9-5 v.4

✓ **Meets the Lighting Global Pico-PV Quality Standards**

1   **Light point(s)**

2   **Settings**

▶   **Plug and play**

WARRANTY INFORMATION

A 2-year warranty covering manufacturing defects in the product.

PERFORMANCE DETAILS

Setting	Description	Run Time After a Typical Day of Solar Charging (assuming 5kWh/m2/day)	Total light output (lumens)
Bright	4 LEDs on the brightest setting totalling to 95 lumens and 1.5 W	19 hours	95 lumens
Low	4 LEDs on the lowest setting totalling to 80 lumes and 1.2 W	22 hours	80 lumens

Available daily electrical energy (Wh/day)	10

Performance measure	Brightness setting: Solar Bright
Lighting full battery run time (hours)	20
Total lighting service (lumen-hours/solar-day)	1805

LIGHTING DETAILS

Lamp name	Number of settings	Setting	Light output (lm)	Lumen efficacy* (lm/W)	CRI**	CCT***	Distribution type	Lumen maintenance****
Main lamp	2	Bright	95	65	75	4500	Wide	>94%
		Low	80	60	75	4510	Wide	--

*Lumen efficacy is the power consumption at a light point during the light output test.
**Color Rendering Index. An index of 100 is equivalent to vieiwing objects in daylight; above 80 is considered good.
***Correlated Color Temperature in degrees Kelvin. Describes color appearance as warm (2700-3000 K), cool (3000-5000 K), or daylight (>5000 K)
****Percent of the original light output that remains after 2,000 hours of run time

SPECIAL FEATURES			
LEDs	★	**UV-free LEDs are used to optimize health and safety as well as efficiency**	
Enclosure	★	**Made from ABS plastic**	
Indicators	★	**2 LEDs to indicate battery state of charge**	

DURABILITY		
Overall durability and workmanship		Pass
Durability tests passed		Switch test, Drop test, Strain relief test, physical ingress protection level IP3X met.
Level of water protection	Main Lighting Unit	Has protection from frequent rain; met with IPX1 and technical protection

SOLAR DETAILS	
PV module type	Monocrystalline silicon
PV maximum power	2 watts

BATTERY DETAILS	
Battery replaceability	Not easily replaceable with common tools.
Battery chemistry	Lithium iron phosphate
Battery package type	2x AA cell
Battery capacity	3 Ah
Battery nominal voltage	3.6 V
Battery status indication	2 LED indicators for battery state of charge: red to show low battery, and blue to indicate product is charging

MARKS AND CERTIFICATIONS	
Factory certification	ISO 9001:2008
Safety certification	UL
Other certification	CE

PRODUCT DETAILS	
Manufacturer name	Sunnydayz
Product name	Sunny 220
Product model / ID number	--
Contact information	person@sunnydayz.com
Website	www.sunnydayz.com
Dimensions (entire product in package)	4 x 8 x 2 cm
Weight	2000 g

SSS INFORMATION	
Specs sheet expiration date	September 30, 2020
Quality standards framework version	2018
Revision	2018.09