www.lightingglobal.org/products/sundayz-220 Valid until: September 30, 2020

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

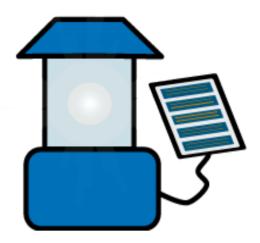


Meets the Lighting Global Pico-PV Quality Standards

Light point(s)

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 (Im)	Lumen efficacy* (lm/W)	CRI**	CCT***	Distribution type	Lumen maintenance****
Main lamp 2		Bright	95	65	75	4500	Wide	>94%
	2	Low	80	60	75	4510	Wide	

<sup>\*</sup>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)

<sup>\*\*\*\*</sup>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			