

Solar Smart All-In-One/ Solar Shelter Kit

ENAI0-S2200

NRS Relief FZE

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

Verify online:

www.lightingglobal.org/products/nrs-ss

Valid until: October 31, 2021



Meets the Lighting Global Pico-PV Quality Standards



Mobile charging

1

Light point(s)



Plug-and-play



WARRANTY INFORMATION

A one-year warranty covering manufacturing defects.

PERFORMANCE DETAILS

			Run time after a typical day of solar charging (assuming 5kWh/m ² /day)		
		Appliance ^a	Description	Used alone ^b	Used in combination ^c
included in kit		Integrated Light	Room Light High Setting (140 lm and 1W)	8 hours	2.4 hours
sold separately		Mobile phone	Smart phone (5.7 Wh battery)	0.8 full charge(s)	0.6 full charge(s)

Available daily electrical energy^e (Wh/day)

6.1

Performance measure

Brightness setting: Room Light High

Lighting full battery run time^d for main unit (hours)

8

Total lighting service (lumen-hours/solar-day)

1100

(includes the both main lighting unit and any auxiliary lights included with the product)

^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 on Room Light setting	1	4	Room Light High	140	150	82	4900	Wide	100%
Integrated Light on Torch setting	1	1	Torch On	69	120	74	4800	Narrow	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

PORTS

2

Proprietary connector with USB adapter



Mobile phones can be charged. An adapter with a USB Type A connector is included in the product.

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	Has protection from permanent outdoor exposure; met IP67
	PV module	Has protection from permanent outdoor exposure

SOLAR DETAILS

PV module type	Monocrystalline silicon
PV maximum power	2.3 watts

BATTERY DETAILS

Battery replaceability	Easily replaceable with common tools; however, the warranty is void if product is opened.
Battery chemistry	Lithium-ion
Battery package type	18650
Battery capacity	2.3 Ah
Battery nominal voltage	3.7 V
Battery status indication	The lantern has three green LEDs to show the working status and battery level

PRODUCT DETAILS

Manufacturer name	NRS Relief FZE
Product name	Solar Smart All-In-One/ Solar Shelter Kit
Product model / ID number	ENAIO-S2200
Contact information	francesca.cocozza@nrsinternational-fzco.com
Website	http://www.nrsrelief.com/
Dimensions (entire product in package)	13.5 x 20.5 x 6 cm
Mass	590 g

SSS INFORMATION

Specs sheet expiration date	October 31, 2021
Quality standards framework version	2019
Revision	2019.10