

Uno 50

Uno 50
Niwa - Next Energy Products Ltd.

Verify online:
<https://data.verasol.org/products/sek/niwa-uno50>
Valid until: 1/31/2025

Results based on test procedures detailed in IEC TS 62257-9-5 and IEC TS 62257-9-8



Meets the requirements in IEC TS 62257-9-8:2020 for Size A Kits

1

Light point(s)



Plug-and-play



WARRANTY INFORMATION

A 24-month limited warranty.

PERFORMANCE DETAILS

Setting	Description	Run time after a typical day of solar charging (assuming 5kWh/m ² /day)	Total light output (lumens)
High	1 LED on High, 0.38 W power	2.8 hours	47 lumens
Low	1 LED on Low, 0.15 W power	7.3 hours	19 lumens

Available daily electrical energy (Wh/day)	0.98
--	------

Performance measure	Brightness setting: High
Lighting full battery run time (hours)	4.6
Total lighting service (lumen-hours/solar-day) (includes the both main lighting unit and any lights with internal batteries included with the product)	130

LIGHTING DETAILS


Lamp name	Number of lamps	Number of settings	Setting	Light output (lm)	Lumen efficacy* (lm/W)	CRI**	CCT***	Distribution type	Lumen maintenance****
Integrated Light	1	2	High	47	83	87	5200	Wide	98%

* 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 viewing 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		
Hardware		Stand included with product
DURABILITY		
Overall durability and workmanship		Pass
Durability tests passed		Switch test, Drop test, Physical ingress protection (met IP6X)
Level of water protection	Main Unit with Integrated PV Module	Has protection from permanent outdoor exposure (met IPX5)
SOLAR DETAILS		
PV module type		Polycrystalline silicon
PV maximum power		0.35 watts
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		14500
Battery capacity		0.48 Ah
Battery nominal voltage		3.2 V
Battery status/ other indicator lights		One LED indicates battery state of charge
PRODUCT DETAILS		
Manufacturer name		Niwa - Next Energy Products Ltd.
Product name		Uno 50
Product model / ID number		Uno 50
Contact information		sales@niwasolar.com
Website		www.niwasolar.com
Dimensions (entire product in package)		12 x 11 x 7 cm
Mass		180 g
SSS INFORMATION		
Specs sheet expiration date		1/31/2025
Revision		01.2023