

Uno 50

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Niwa - Next Energy Products Ltd.
Results based on test procedures detailed in
IEC 62257-9-5 v.4

Verify online:
<https://data.verasol.org/products/sek/niwa-uno50>
Valid until: April 30, 2022



Meets the Lighting Global Pico-PV Quality Standards



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	Integrated Light	2 hours	47 lumens
Low	Integrated Light	4.9 hours	19 lumens

Available daily electrical energy (Wh/day) 0.98

Performance measure

Brightness setting: High

Lighting full battery run time (hours)

2.6

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

90

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

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%
Integrated Light	1	2	Low	19	85	87	5200	Omnidirectional	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.

Level of water protection

Integrated Light

Has protection from permanent outdoor exposure; met IP65

PV module

Has protection from permanent outdoor exposure.

SOLAR DETAILS

PV module type

Polycrystalline silicon

PV maximum power

0.35 watts

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	--
Battery capacity	0.48 Ah
Battery nominal voltage	3.2 V
Battery status indication	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	April 30, 2022
Quality standards framework version	2019
Revision	2019.10