

# Bright Move 120

## Bright Products

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

Verify online:

<https://data.verasol.org/products/sek/bp-move120>

Valid until: February 28, 2023



Meets the Lighting Global Pico-PV Quality Standards

Mobile charging

1

Light point(s)



Plug-and-play



## WARRANTY INFORMATION

A 2-year warranty covering manufacturing defects.

## PERFORMANCE DETAILS

			Run time after a typical day of solar charging (assuming 5kWh/m <sup>2</sup> /day)	
Appliance <sup>a</sup>		Description	Used alone <sup>b</sup>	Used in combination <sup>c</sup>
included in kit	Main lighting unit	Integrated light on high totaling 200 lumens and 1.7 W power	4.3 hours	2.1 hours
sold separately	Mobile phone	Smart phone (5.7 Wh battery)	1.0 full charge(s)	0.5 full charge(s)

Available daily electrical energy <sup>c</sup> (Wh/day)	5.7
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Performance measure	Brightness setting: High
Lighting full battery run time <sup>d</sup> for main unit (hours)	6.5
Total lighting service (lumen-hours/solar-day) (includes the both main lighting unit and any lights with internal batteries included with the product)	860

<sup>a</sup> Only included appliances were tested. Run times and power ratings for appliances sold separately come from manufacturer ratings or standard estimates.

<sup>b</sup> Without any other loads used during the run time

<sup>c</sup> Based on an example use profile with all of the appliances listed in the "Used in combination" column used simultaneously.

<sup>d</sup> 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 <sup>e</sup> (lm/W)	CRI <sup>f</sup>	CCT <sup>g</sup>	Distribution type	Lumen maintenance <sup>h</sup>
Integrated light	1	3	High	200	110	85	5300	Wide	97%

<sup>e</sup> Lumen efficacy is the power consumption at a light point during the light output test.

<sup>f</sup> Color Rendering Index. An index of 100 is equivalent to viewing objects in daylight; above 80 is considered good.

<sup>g</sup> Correlated Color Temperature in degrees Kelvin. Describes color appearance as warm (2700-3000 K), cool (3000-5000 K), or daylight (>5000 K)

<sup>h</sup> Percent of the original light output that remains after 2,000 hours of run time

**SPECIAL FEATURES**

Product Housing		UV resistant plastic
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Ingress Protection		Product meets IP64 (Has protection from dust and frequent rain)
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**PORTS**

1	USB 2.0 type A	
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**DURABILITY**

Overall durability and workmanship	Pass
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Durability tests passed	Switch test, Drop test, Physical ingress protection.
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Level of water protection	Main Unit	Has protection from frequent rain; met IPX3
	PV module	Has protection from permanent outdoor exposure

**SOLAR DETAILS**

PV module type	Monocrystalline silicon
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PV maximum power	2.0 watts
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**MAIN UNIT BATTERY DETAILS**

Battery replaceability	Not easily replaceable with common tools.
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Battery chemistry	Lithium iron phosphate
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Battery package type	18650
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Battery capacity	3.7 Ah
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Battery nominal voltage	3.2 V
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Battery status indication	Four LED indicators show the battery level and charging level.
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**MARKS AND CERTIFICATIONS**

Factory certification	--
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Safety certification	RoHS
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Other certification	CE
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**PRODUCT DETAILS**

Manufacturer name	Bright Products
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Product name	Bright Move 120
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Contact information	info@bright-products.com
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Website	<a href="http://bright-products.com/">http://bright-products.com/</a>
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Dimensions (entire product in package)	11.3 x 20.3 x 3.5 cm
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Mass	406 g
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**SSS INFORMATION**

Specs sheet expiration date	February 28, 2023
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Quality standards framework version	2021
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Revision	2021.02
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