

# 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

	Appliance <sup>a</sup>	Description	Run time after a typical day of solar charging (assuming 5kWh/m <sup>2</sup> /day)	
			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>a</sup> (lm/W)	CR <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>a</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	
Ingress Protection	★ Product meets IP64 (Has protection from dust and frequent rain)	
PORTS		
1	USB 2.0 type A 	
DURABILITY		
Overall durability and workmanship	Pass	
Durability tests passed	Switch test, Drop test, Physical ingress protection.	
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	
PV maximum power	2.0 watts	
MAIN UNIT BATTERY DETAILS		
Battery replaceability	Not easily replaceable with common tools.	
Battery chemistry	Lithium iron phosphate	
Battery package type	18650	
Battery capacity	3.7 Ah	
Battery nominal voltage	3.2 V	
Battery status indication	Four LED indicators show the battery level and charging level.	
MARKS AND CERTIFICATIONS		
Factory certification	--	
Safety certification	RoHS	
Other certification	CE	
PRODUCT DETAILS		
Manufacturer name	Bright Products	
Product name	Bright Move 120	
Contact information	info@bright-products.com	
Website	http://bright-products.com/	
Dimensions (entire product in package)	11.3 x 20.3 x 3.5 cm	
Mass	406 g	
SSS INFORMATION		
Specs sheet expiration date	February 28, 2023	
Quality standards framework version	2021	
Revision	2021.02	