

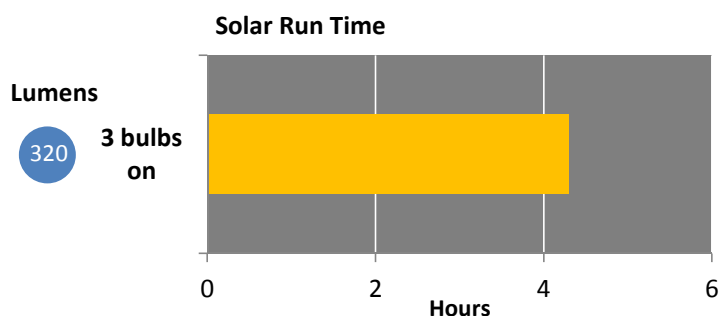
FU Energy Station

Futura

Verify Online: www.lightingglobal.org/products/fu-es

Results based on test procedures detailed in
IEC 62257-9-5, ed. 2.0

Valid Until: January, 2016



**Meets Lighting Global Minimum
Quality Standards**



Mobile Charging

3

Light Points



Warranty Information

A 1-year product warranty.

Performance Details

Performance Measure	Brightness Setting***
	3 bulbs on
Full battery run time* (hours)	7.2
Run time per day of solar charging* (hours)	4.3
Total light output (lumens)	320
Total area with illumination > 25 lux** (m ²)	0.6
Total lighting service (lumen-hours / solar-day)	1400

* 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.

** Total area with illumination > 25 lux is determined by the maximum area with adequate illumination at a 0.75 m distance and at the distance from which the product would normally provide task lighting service.

*** Additional brightness settings (not tested): 2 bulbs on, 1 bulb on

Lighting Details

Lamp type	LED
Description of light points	4 LEDs per light point
Colour characteristics	CRI 86 CCT "Cool" (5000-7000 K)
Distribution type	Wide
Lumen maintenance	102% of the original output remains after 2,000 hours run time

Special Features	
Mobile charging	Adapters included to charge mobile phone from battery
Durability	
Overall durability and workmanship	Pass
Durability tests passed	Drop test, switch and connector cycling, strain relief test, physical ingress protection test, and no water ingress protection
Solar Details	
PV module type	Polycrystalline silicon
PV maximum power point	5.2 watts
Battery Details	
Battery replaceability	Easily replaceable with common tools, though manufacturer recommends having batteries replaced by an authorized technician
Battery chemistry	Lithium-ion
Battery package type	4 x 18650 cylindrical cells
Battery capacity	4461 mAh
Battery nominal voltage	7.4 V
Appropriate battery protection circuit	Pass
Marks and Certifications	
Factory certification	ISO 9001
Product Details	
Manufacturer name	Futura
Product name	FU Energy Station
Product model / ID number	FU Energy Station
Contact information	n.baggio@futurasun.it
Website	www.futurasun.it
SSS Information	
Specs sheet expiration date	January, 2016
Minimum Quality Standards Framework Version	2013
Revision	2014.02