

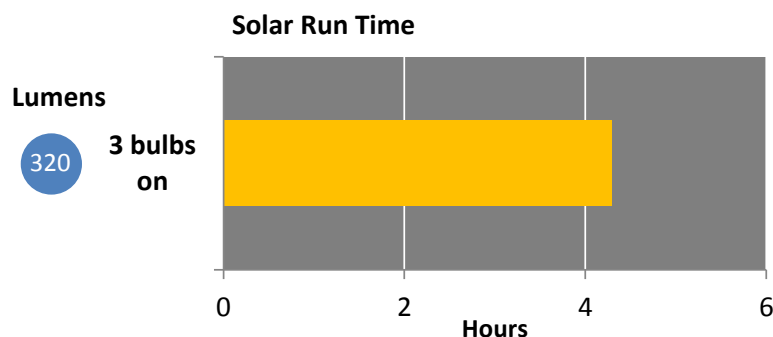
Energy Station

Futura

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

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 | Energy Station |
| Product model / ID number | 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 |