

# EMEL Solar G3 Solar Power Lantern

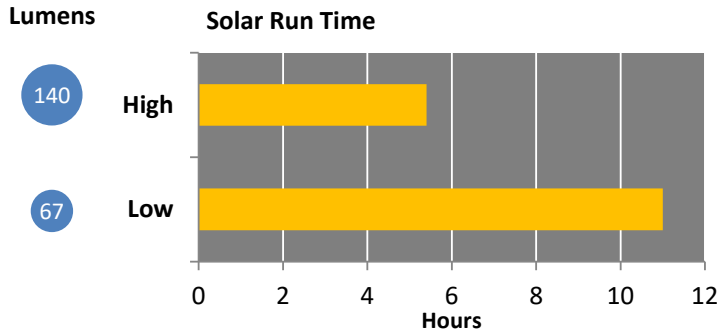
EMEL Solar Solutions Limited

Verify Online:

[www.lightingglobal.org/products/em-g3l](http://www.lightingglobal.org/products/em-g3l)

Results based on test procedures detailed in IEC 62257-9-5, ed. 3.0

Valid Until: April 30, 2020



Meets Lighting Global Quality Standards



Mobile Charging



1 Light Point

## Warranty Information

A 2-year warranty covering manufacturing defects.

## Performance Details

Performance Measure	Brightness Setting	
	High	Low
Full battery run time* (hours)	7.9	17
Run time per day of solar charging* (hours)	5.4	11
Total light output (lumens)	140	67
Total lighting service (lumen-hours / solar-day)	760	740

\* 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 type	LED
Description of light points	15 LEDs on PCB with a frosted cover inside the lantern
Colour characteristics	CRI 76 CCT "Daylight" (> 5000 K)
Distribution type	Omnidirectional
Lumen maintenance	98% of the original output remains after 2,000 hours run time

**Special Features**

Mobile charging	Adapters included to charge mobile phone from battery
Radio	Built-in FM radio, speaker and earphone socket

**Durability**

Overall durability and workmanship	Pass
Durability tests passed	Drop test, switch and connector cycling, strain relief test, physical ingress protection test, and protection from occasional rain

**Solar Details**

PV module type	Polycrystalline silicon
PV maximum power point	3.0 watts

**Battery Details**

Battery replaceability	Easily replaceable with common tools. Warranty is void if product is opened.
Battery chemistry	Lithium-ion
Battery package type	2x 18650 cylindrical cells
Battery capacity	3900 mAh
Battery nominal voltage	3.7 V
Appropriate battery protection circuit	Pass

**Marks and Certifications**

Factory certification	ISO 9001:2015, ISO 14001:2015
Other certification	In compliance with IEC 60598-2-4:1997 and IEC 60598-1:2008

**Product Details**

Manufacturer name	EMEL Solar Solutions Limited
Product name	EMEL Solar G3 Solar Power Lantern
Product model / ID number	RNG3
Contact information	info@emelsolarsolutions.com
Website	<a href="http://www.emelsolarsolutions.com/">http://www.emelsolarsolutions.com/</a>
Co-brand of	G3 Solar Power Lantern, Renewit Solar Limited

**SSS Information**

Specs sheet expiration date	April 30, 2020
Quality Standards Framework Version	2016
Revision	2016.01