

Solar Rakshak Plus

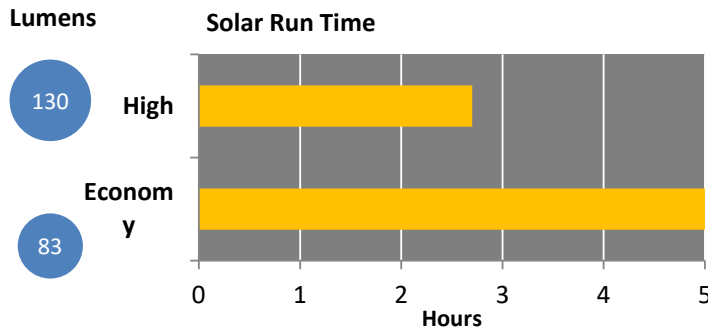
Frontier Markets

Verify Online:

www.lightingglobal.org/products/fm-rakshak

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

Valid Until: May 31, 2021



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	Economy
Full battery run time* (hours)	5.9	12
Run time per day of solar charging* (hours)	2.7	5
Total light output (lumens)	130	83
Total lighting service (lumen-hours / solar-day)	350	420

* 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	1 LED in the light point
Colour characteristics	CRI 70 CCT "Daylight" (> 5000 K)
Distribution type	Narrow
Lumen maintenance	100% of the original output remains after 2,000 hours run time

Special Features

Mobile charging	Charging adapters provided by the customer
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Durability

Overall durability and workmanship	Pass
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Durability tests passed	Drop test, switch and connector cycling, strain relief test, physical ingress protection test. Protection from occasional rain. Met requirements with a warning label.
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Solar Details

PV module type	Polycrystalline silicon
PV maximum power point	3.3 watts

Battery Details

Battery replaceability	Not easily replaceable with common tools
Battery chemistry	Lithium-ion
Battery package type	2x18650
Battery capacity	4700 mAh
Battery nominal voltage	3.7 V
Appropriate battery protection circuit	Pass

Product Details

Manufacturer name	Frontier Markets
Product name	Solar Rakshak Plus
Product model / ID number	RTS-400
Contact information	mehdi.rizvi@frontiermkts.co.in
Website	www.frontiermkts.com

SSS Information

Specs sheet expiration date	May 31, 2021
Quality Standards Framework Version	2019
Revision	2019.05