



# Solar Lighting Kit

UNICEF standard



## › Key features

- » Easy assembly and disassembly
- » 30/60/90 Wp solar panel configurations
- » Directly compatible with UNICEF approved High Performance Tents (24/48/72 m²) or similar multi-purpose tents
- » Fit-for-purpose for use in humanitarian, home and tent settings
- » Indoor tube lights has separate dimmer controls
- » Outdoor tube light with on/off control
- » 2A USB charging outlet with current control
- » Has power saving mode that ensures 3 hours of light at low mode
- » User-friendly 5 LED indicators for battery life, and low power mode
- » Single button to control pilot lamp and battery status
- » Built in pilot lamp for easy location in dark
- » Easily replaceable 12.8V/84Wh
- » Expected lifespan is > 3 years, or 1500 cycles (LiFePo4)
- » Colors and logos can be customized as per customer requirements

## › Technical specifications

<b>Lights</b>	<ul style="list-style-type: none"> <li>» 2x 30 cm Tube Light 1400 lumens</li> <li>» 1x 15 cm Tube Light 200 lumens</li> </ul>
<b>Run time</b>	<ul style="list-style-type: none"> <li>» Full charge: 6 hours</li> <li>» Emergency mode: 3 hours @ 10% of max. lumens (*Phone charging will reduce lighting run time)</li> </ul>
<b>Colour characteristics</b>	CRI 80/5000K
<b>Battery lifespan</b>	More than 3 years or 1500 cycles
<b>Product colour</b>	Customizable to client requirements

## › Charging

<b>Solar charging</b>	30 / 60 / 90 WP configurations
<b>Smart phone charging</b>	2x USB ports, USB cable included
<b>Battery</b>	LifePO4 12.8V / 6.6Ah / 84Wh





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## › Packing and shipping - Carry bags

Packages	Content	Tent size	Dimensions	Volume	Weight
1/1	Solar lighting kit PV panel, mounting arm, base units, internal light tubes, external light tube, packed in box	24 - 1 set	65 x 55 x 20 cm	0.072	22 kgs approx.
		48 - 2 zsets	110 x 55 x 20 cm	0.121	34 kgs approx.
		72 - 3 sets	160 x 55 x 20 cm	0.176	50 kgs approx.

## › Estimated loadability

Item	Tent size	Dimension of loaded wooden pallet	Volume of loaded wooden pallet	No. of items - per loaded wooden pallet	Weight - 1 loaded wooden pallet
Solar lighting kit	24 m <sup>2</sup>	120 x 110 x 115 cm	1.645	15 kits	345 kgs approx.
	48 m <sup>2</sup>	110 x 110 x 115 cm	1.392	10 kits	355 kgs approx.
	72 m <sup>2</sup>	160 x 110 x 115 cm	2.024	10 kits	520 kgs approx.

## › Loadability quantity

Item name	Tent size	20' GP	40' DC	40' HC
Solar lighting kit	24 m <sup>2</sup>	352 boxes / 352 kits	792 boxes / 792 kits	936 boxes / 936 kits
	48 m <sup>2</sup>	220 boxes / 220 kits	440 boxes / 440 kits	520 boxes / 520 kits
	72 m <sup>2</sup>	143 boxes / 143 kits	308 boxes / 308 kits	364 boxes / 364 kits

