



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).
- » Colours and logos can be customised as per customer requirements.

› Technical Specifications

Lights	» 2x 30 cm Tube Light 1,400 lumens » 1x 15 cm Tube Light 200 lumens
Run time	» Full charge: 6 hours » Emergency mode: 3 hours @ 10% of max. lumens (*Phone charging will reduce lighting run time)
Colour characteristics	CRI 80/5000K
Battery lifespan	More than 3 years or 1500 cycles
Product colour	Customisable to client requirements

› Charging

Solar charging	30 / 60 / 90 WP configurations
Smart phone charging	2x USB ports, USB cable included
Battery	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 kg approx.
		48 - 2 sets	110 x 55 x 20 cm	0.121	34 kg approx.
		72 - 3 sets	160 x 55 x 20 cm	0.176	50 kg 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 ²	120 x 110 x 115 cm	1.645	15 kits	345 kg approx.
	48 m ²	110 x 110 x 115 cm	1.392	10 kits	355 kg approx.
	72 m ²	160 x 110 x 115 cm	2.024	10 kits	520 kg approx.

› Loadability Quantity

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

