



# Solar Lanterns for offgrid communities

## LifeLight

Solar lantern for offgrid communities with mobile charging facility and optional AC charging. By harnessing the abundant energy from the sun, these LED lanterns deliver free and clean lighting along with additional facility to charge mobile phones.

#### **Benefits**

- Long lasting lantern with clean and soothing white light with diffuser that ensures surround light
- Choice of different lighting levels to suit different activities and extended duration of usage.
- · Replaceable lithium ferro phosphate battery
- · Facility to charge mobile phones via USB cables
- · Optional facility to charge the lamp with AC power in case of low sunlight
- · Intuitive display to measure battery charging
- · Adjustable handle for ease of use
- · Robust IP65, water and dust proof construction.

#### **Features**

- $\cdot$  Portable highly efficient LED solar light.
- 110/200 Lumen White LED Solar Light
- · Replaceable lithium ferro phosphate battery
- $\boldsymbol{\cdot}$  Efficient solar panel with 3 meter wire and tiltable legs
- · USB Port for mobile charging
- · Optional AC charging facility
- ON/OFF button with 3 Light settings High, Medium, Low
- · RED LED low battery indicator
- $\cdot$  Green LED charging Indicator
- · Robust IP65, water and dust proof construction.
- $\cdot$  Upto 20 Hours of Light on low setting
- · 360 degree Adjustable handle

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## **Application**

- Homes
- · Small shops and business establishments
- Guard rooms
- · Elementary schools
- Community centers
- · Adventure sports Camps, tents, hikers etc
- $\cdot$  Emergency lights for Natural Disaster management teams

## Versions



Lifelight plus render 1

## Dimensional drawing





# LifeLight

Light Technical  Correlated Color Temperature (Nom) 6500 K  Color rendering index (CRI) >80  Operating and Electrical  Battery charging & discharging cycles 2000  Battery type Lithium Ferro Phosphate  Battery voltage 3.2 V  Charge controller type MPPT  Panel type Mono crystalline  Panel voltage 5 Vmp V  Temperature  Ambient temperature range 0 to +45 °C  Controls and Dimming  Dimmable Yes  Configurability Not configurable  Mechanical and Housing  Overall height 130 mm  Overall length 100 mm  Overall width 110 mm  Approval and Application  Ingress protection code IP65  Application Conditions  Battery location Integrated  Grid connection type Off grid  Autonomy upto 20 hour(s)  Solar dimming profile		
Color rendering index (CRI) >80  Operating and Electrical Battery charging & discharging cycles 2000 Battery type Lithium Ferro Phosphate Battery voltage 3.2 V Charge controller type MPPT Panel type Mono crystalline Panel voltage 5 Vmp V  Temperature Ambient temperature range 0 to +45 °C  Controls and Dimming Dimmable Yes Configurability Not configurable  Mechanical and Housing Overall height 130 mm Overall length 100 mm Overall width 110 mm  Approval and Application Ingress protection code IP65  Application Conditions Battery location Battery location Integrated Grid connection type Off grid Autonomy upto 20 hour(s)	Light Technical	
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Battery type  Lithium Ferro Phosphate  3.2 V  Charge controller type  MPPT  Panel type  Mono crystalline  5 Vmp V  Temperature  Ambient temperature range  O to +45 °C  Controls and Dimming  Dimmable  Yes  Configurability  Not configurable  Mechanical and Housing  Overall height  Overall ength  Overall width  110 mm  Approval and Application  Ingress protection code  IP65  Application Conditions  Battery location  Grid connection type  Other Salvery Salvery  Autonomy  Lithium Ferro Phosphate  3.2 V  Lithium Ferro Phosphate  3.2 V  Location Conditione Postalline Posta	Operating and Electrical	
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Mechanical and Housing Overall height 130 mm Overall length 100 mm Overall width 110 mm  Approval and Application Ingress protection code IP65  Application Conditions Battery location Integrated Grid connection type Off grid Autonomy upto 20 hour(s)	Dimmable	Yes
Overall height 130 mm Overall length 100 mm Overall width 110 mm  Approval and Application Ingress protection code IP65  Application Conditions Battery location Integrated Grid connection type Off grid Autonomy upto 20 hour(s)	Configurability	Not configurable
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Overall width 110 mm  Approval and Application Ingress protection code IP65  Application Conditions Battery location Integrated Grid connection type Off grid Autonomy upto 20 hour(s)	Overall height	130 mm
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Ingress protection code  Application Conditions  Battery location Integrated  Grid connection type Off grid  Autonomy upto 20 hour(s)	Overall width	110 mm
Ingress protection code  Application Conditions  Battery location Integrated  Grid connection type Off grid  Autonomy upto 20 hour(s)		
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Battery location Integrated Grid connection type Off grid Autonomy upto 20 hour(s)	Ingress protection code	IP65
Battery location Integrated Grid connection type Off grid Autonomy upto 20 hour(s)	Application Conditions	
Grid connection type Off grid Autonomy upto 20 hour(s)		
Autonomy upto 20 hour(s)	Dattery tocation	Integrated
	Crid connection type	
		Off grid

## Operating and Electrical

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				Charge	
		Battery	Cable	controller	Panel peak
Order Code	Full Product Name	ampere hour	connection kit	wattage	wattage
919515812909	Solar Lamp Lifelight plus	3 Ah	Included	5 W	4 W
919515813014	Solar Lamp Lifelight plus-	3 Ah	Excluded	5 W	4 W
	Standalone				
919515812374	SOLAR LAMP LIFE LIGHT	1.5 Ah	Excluded	4 W	1.6 W
919515812647	Solar Life Light -WC	1.5 Ah	Included	4 W	1.6 W
919515812767	Solar Life Light	1.5 Ah	Included	4 W	1.6 W
919615811161	Solar Life Light	1.5 Ah	Excluded	4 W	1.6 W
	standalone				
919515812908	Solar Lamp Lifelight plus -	3 Ah	Included	5 W	4 W
	WC				

#### Mechanical and Housing

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Order Code	Full Product Name	Housing Color
919515812909	Solar Lamp Lifelight plus	Red
919515813014	Solar Lamp Lifelight plus-Standalone	Red
919515812374	SOLAR LAMP LIFE LIGHT	Blue
919515812647	Solar Life Light -WC	Blue

Order Code	Full Product Name	Housing Color
919515812767	Solar Life Light	Blue
919615811161	Solar Life Light standalone	Blue
919515812908	Solar Lamp Lifelight plus -WC	Red

#### **Application Conditions**

			Ambient temperature
		Ambient temperature	range for discharging
Order Code	Full Product Name	range for charging	(when light is on)
919515812909	Solar Lamp Lifelight	0 °C to +45 °C	-20 °C to +35 °C
919515813014	Solar Lamp Lifelight plus-Standalone	0 °C to +45 °C	-20 °C to +35 °C
919515812374	SOLAR LAMP LIFE LIGHT	0 °C to +45 °C °C	-20 °C to +35 °C °C

			Ambient temperature
		Ambient temperature	range for discharging
Order Code	Full Product Name	range for charging	(when light is on)
919515812647	Solar Life Light -WC	0 °C to +45 °C °C	-20 °C to +35 °C °C
919515812767	Solar Life Light	0 °C to +45 °C	-20 °C to +35 °C
919615811161	Solar Life Light	0 °C to +45 °C	-20 °C to +35 °C
	standalone		

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			Ambient temperature
		Ambient temperature	range for discharging
Order Code	Full Product Name	range for charging	(when light is on)
919515812908	Solar Lamp Lifelight	0 °C to +45 °C	-20 °C to +35 °C
	plus -WC		

