

# SOLAR LANTERN- "SUNLITE"



Solar lantern is a portable light source like a traditional lantern which gives omni directional pure white light. It consists of a solar photovoltaic module, Sealed Maintenance Free (SMF) lead acid battery, charge controller and DC-AC inverter for lighting the Compact Fluorescent Lamp (CF Lamp). Highly efficient two-step charge controller protects battery from over charging and deep discharging.

High frequency inverter offers high efficacy, more light output and long service life to the CF Lamp. Depending on the CF Lamp and SPV module wattage, "SunLite" is available in 6 different models.

## Features

- Non polluting, inexhaustible energy from the Sun
- Omni-directional pure white light
- Safe and easy to operate
- Excellent protections and indications
- **Approved by CPRI as per MNES specifications**
- Rugged and attractive body made of ABS plastic
- UV stabilised acrylic light diffuser

## Technical Specifications

	SunLite 5W	SunLite 7W
<b>General</b>		
<b>Solar PV Module</b>	<b>8Wp / 10Wp / 12Wp</b> (see ordering information)	
<b>Battery</b>	<b>12V, 7AH VRLA (SMF) Lead Acid</b>	
Application	Portable emergency indoor light source	
Lamp Type	<b>Compact Fluorescent Lamp (CFL), 4 Pin, Single U</b>	
<b>Lamp Wattage</b>	<b>5W</b>	<b>7W</b>
Rated light output (Lumens)	250 ± 5%	400 ± 5%
Light coverage	360 Deg	
Daily hours of operation	- 4 5 Hrs	3 - 4 Hrs
Number of days of autonomy	3 Days	
<b>Electrical</b>		
Inverter type	Quasi Sine wave, Free running	
Inverter frequency	24-28 kHz	
Inverter efficiency	> 82%	
Charging method	Series pulsed, two step	
Indications	Charging and low battery	
Reverse polarity protection	Provided with glass cartridge fuse	
<b>Mechanical</b>		
Lamp fixing	CF Lamp in base up configuration	
<b>Case</b>	<b>Injection moulded engineering plastic</b>	
Light diffuser	UV stabilised, Non yellowing acrylic	
Size (shipping) (mm) without SPV module	200x200x320	
Weight , without SPV module (Shipping)	3.5 kg	
<i>Note: Specifications subject to change without notice. Check for latest update</i>		

## Ordering Information

SunLite series				
Model	Lamp	Battery	SPV Module	Duration
SLN-05082F	CFL 5W	12V 7Ah	12V 8Wp	3-4 Hrs
SLN-05102F	CFL 5W	12V 7Ah	12V 10Wp	4-5 Hrs
SLN-05122F	CFL 5W	12V 7Ah	12V 12Wp	5-6 Hrs
SLN-07082F	CFL 7W	12V 7Ah	<b>12V 8Wp</b>	2-3 Hrs
SLN-07102F	CFL 7W	12V 7Ah	<b>12V 10Wp</b>	3-4 Hrs
SLN-07122F	CFL 7W	12V 7Ah	12V 12Wp	4-5 Hrs