

**Specification of Solar Lantern (SunLite)**

Brand name	<b>SunLite</b>	
<b>General</b>		
Application	Portable emergency light source	
Use	Indoor	
Operating Temperature	0 to 50°C	
Lamp Type	Compact Fluorescent Lamp (CFL), 4 Pin, Single U	
Lamp Wattage	5W	7W
Rated Light output (Lumens)	250 ± 5%	400 ± 5%
Lamp colour temperature	5200K (Day Light)	
Light coverage	360 Deg	
Rated Lamp life (Average)	>8000 Hrs	
Light output degradation after 1000 ON/OFF (2 min ON & 4 min OFF)	< 8%	
Daily hours of operation	3-4 Hrs	
Number of days of autonomy	3 Days	
<b>Electrical</b>		
<b>Solar PV Module</b>		
Module type	Mono / Poly Crystalline silicon	
Open circuit voltage	>/= 21V	
Module power @ 16.4V	8Wp / 10Wp / 12Wp (see ordering information)	
<b>Battery</b>		
Type	VRLA (SMF) Lead Acid	
Battery Voltage	12V	
Battery capacity @ C/10	7Ah	
<b>Inverter</b>		
Nominal working voltage	12V DC	
Inverter type	Quasi Sine wave, Free running	
Inverter frequency	24-28 kHz	
Inverter efficiency	> 82%	
Lamp current crest factor	< 1.6	
DC component at the output voltage	Nil	
Lamp starting	Soft start (Pre-heating)	
Preheating time	1.0 to 1.8 Seconds	
Discharge current through lamp during preheating	Nil	
Lamp power @ inverter Frequency	5W	6.5W
Lamp current @ inverter Frequency	170mA-190mA	165mA-190mA
Power consumption @12VDC	6.2W ±10%	8W ± 10%
Idle consumption	<= 0.4mA	
Charging method	Series pulsed two step	
Indications	Charging and Low battery	
Reverse Polarity protection	Provided with glass cartridge fuse	
Connecting Cable	5 Mtrs of 1 mm <sup>2</sup> twin core PVC copper cable	
<b>Mechanical</b>		
Lamp fixing	CF Lamp in base up configuration	
Module frame	Weather proof anodised frame	
Case	Injection Moulded Engineering Plastic - ABS	
Light Diffuser	UV stabilised, Non yellowing Acrylic	
Colour (case)	White and Cave Brown	
Size (Un packed) D x H (mm)	195x370	195x370
Weight (Un packed)	3.2 Kg	3.4 Kg
Size (Shipping) (mm)	270x260x400	270x260x400
Weight (Shipping)	4.7 Kg	4.8 Kg
<b>Options (To be mentioned while placing orders)</b>		
Lamp colour temperature	As per customer requirement for order quantity more than 1000 Numbers (2700K/6000K)	
Colour of Lantern	As per customer requirement for order quantity more than 1000 Numbers	
Printings on Lantern	As per customer requirement for order quantity more than 1000 Numbers	
<b>Ordering Information</b>		
With 8Wp Solar PV Module	SLN-05082F	SLN-07082F
With 10Wp Solar PV Module	SLN-05102F	SLN-07102F
With 12Wp Solar PV Module	SLN-05122F	SLN-07122F

Note: Specifications subject to change without notice. Check for latest update