

Specification of Solar Lantern (Sunny)

	Sunny
General	
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
Rated Light output (Lumens)	250 ± 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)	< 10%
Daily hours of operation	2 to 3 Hrs Max
Number of days of autonomy	2 Days
Night lamp	Super bright LED 2 Numbers (<150mW)
Electrical	
Solar PV Module	
Module type	Mono / Poly Crystalline silicon
Open circuit voltage	>/= 10V
Module power @ 9.4V @STC	4Wp ± 5%
Battery	
Type	VRLA -SMF Lead Acid
Battery Voltage	6V
Battery capacity @ C/10	4.5Ah
Inverter	
Nominal working voltage	6V DC
Inverter type	Quasi Sine wave, Free running
Inverter frequency	25-30 KHz
Inverter efficiency	> 75%
Lamp current crest factor	</= 1.6
DC component at the output voltage	Nil
Lamp starting	Soft start (Pre-heating)
Preheating time	1.0 to 2 Seconds
Discharge current through lamp during preheating	Nil
Lamp power (Typ) @ inverter Frequency	4W ± 5%
Lamp current (Typ) @ inverter Frequency	135mA ± 10%
Power consumption @ 6VDC Input	5.1W ±3%
Idle consumption	<= 0.6mA
Charging method	Series pulsed two step
Indications	Charging and Low battery
Reverse Polarity protection	Provided
Module reverse current flow protection	Provided
Connecting Cable	5 Mtrs of 18/19 AWG (0.82mm ² /0.65mm ²) PVC Insulated twin parallel multi stranded copper cable.
Mechanical	
Lamp fixing	CF Lamp in base up/base down configuration
Module frame	Anodised aluminium
Case	Injection Moulded Engineering Plastic (ABS)
Light Diffuser	UV stabilised, Non yellowing Acrylic
Colour (case)	Standard red
Size (Un packed) LxWxH (mm)	146x112x224
Weight (Un packed)	1.3 Kg
Size (Shipping) (mm)	220x180x325
Weight (Shipping)	2.4 KG
Options (To be mentioned while placing orders)	
Lamp colour temperature	As per customer requirement for order quantity more than 1000 Numbers (2700K/6000K)
Colour of Solar Lantern	As per customer requirement for order quantity more than 1000 Numbers
Printing on Solar Lantern	As per customer requirement for order quantity more than 1000 Numbers
Ordering Information	
With 4Wp Solar PV Module	SLN-05041A

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