

SOLAR LANTERN

Sunny



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 an inverter for operating the Compact Fluorescent Lamp (CFL).

Sunny is a handy solar lantern offered by Ammini Solar, which suits for standby lighting purposes. This new generation solar lantern is available in two different models depending on the light output and number of hours of operation.

FEATURES

- Compact, elegant and easy to handle
- Uses non polluting, inexhaustible energy from the Sun
- Omni-directional pure white light
- Adequate protections and indications
- Rugged and attractive body made of engineering plastic
- UV stabilised acrylic light diffuser
- Night lamp with high brightness LED
- Micro-controller based electronic circuit

TECHNICAL SPECIFICATION

	Sunny 3W	Sunny 5W
General		
Solar PV Module	4Wp	5Wp
Battery	6V, 4.5Ah VRLA (SMF) Lead Acid	
Application	Portable indoor light source	
Lamp Type	Compact Fluorescent Lamp (CFL), 4 Pin, Single U	
Lamp Wattage	3W	5W
Rated light output (Lumens)	150 ± 5%	250 ± 5%
Light coverage	360 Deg	
Daily hours of operation	2.5 Hrs	2 Hrs
Number of days of autonomy	2 Days	
Night lamp	Super bright LED (2 Numbers)	
Electrical		
Inverter type	Quasi Sine wave, Micro-controller based	
Inverter frequency & Crest Factor	24-28 KHz; Crest Factor <1.6	
Inverter efficiency	> 82%	
Idle current consumption	< 0.5mA	
Charging method	Series pulsed, Two step	
Indications	Charging and Low battery	
Reverse polarity protection	Provided with glass cartridge fuse	
Mechanical		
Lamp fixing	CF Lamp in base down configuration	
Case	Injection Moulded Engineering Plastic (ABS)	
Light diffuser	UV stabilised, Non yellowing Acrylic	
Size (Shipping)	220 X 180 X 325 mm	
Weight (Shipping)	2.5 kg	

ORDERING INFORMATION

Ordering Code	Model	Lamp	Battery	SPV Module	Duration
033-001	SLN-03041A	CFL 3W	6V, 4.5Ah, VRLA	6V, 4Wp	2.5 Hrs
033-002	SLN-05051A	CFL 5W	6V, 4.5Ah, VRLA	6V, 5Wp	2.0 Hrs