

"LUCRATIVE" SOLAR LED/CFL HOME LIGHT SYSTEM

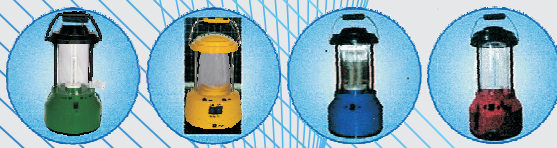


Lucrative Solar Home System is a user friendly and effective light source using the sunlight to provide reliable and cost effective electricity. The Solar Home System is an ideal light source and a viable solution for household electrification in rural areas. The Solar Home System comprises of a rugged PV module for charging the battery, (a flooded Tubular type Battery to store the electric charge), a charge controller for the safe charging and discharging of the battery, two/three light units (Luminaries) with an efficient inverter and 7 / 9 / 11 W, Compact Florescent lamp, LED Luminaries. The Luminaries are DC operated wall mountable light source and it gives pure white light. It consists of a Compact Fluorescent Lamp (CFL), LED Luminaries and a DC AC high frequency inverter. The high frequency inverter offers high efficiency and more light output and provides long life to the CFL and LED Luminaries.

PRODUCT NAME	Solar LED Home Lighting System	Solar LED Home Lighting System	40 WP Solar Home Lighting System	75 WP Solar Power Pack & Home Lighting System
Model No.	LUC-01	LUC-02	LUC-03	LUC-04
Application	Runs 3 LED Home lights + Mobile Charging	4 nos. of 3W LED Luminaire	2 CFL Home Light + Mobile Charging	CFL DC lights -2 nos. + one Fan
Solar Panel	10 Wp	24 Wp	40 Wp	75 Wp
Solar Charge Controller	Solar Charge Controller + Solid Box	Solar Charge Controller	PWM. Suitable up to 40 wp Solar Panel (12V)	PWM Suitable up to 75wp Solar Panel (12V)
Battery	(12 V-7Ah) x 1	(12 V-12Ah) x 1	(12 V-40Ah) x 1	(12 V-75Ah) x 1
Luminaries	2 nos. of 2W LED Luminaires	4 nos. of 2W LED Luminaries	CFL DC lights 2 Nos.	CFL DC lights- 2 nos. + one Fan
LED/CFL	W-LED-OSRAM/ NICHIA/SEOUL/PHILIPS Eq.		OSRAM	
Electronics Efficiency	>85%			
Protection	Low battery over charging, deep discharging, reverse flow, revers polarity cut-off			
Battery Box	Integrated with charge controller			
Cable set	Tinned copper double core cable set			
Model No. SEPL-HLS-05	75 Wp Solar Power Pack & Home Light System		Model No. SEPL-HLS-04 + 2 CFL lights Extra without fan	

Model	Powered by	Load	Hours per Day/ Autonomy	Total cables (15 Mtrs.)
Model 1	18 Wp, PV, 20 Ah Battery	1 x 9 W CFL-4	4 Hours per day / 1 day	1 set
Model 2	37 Wp, PV, 40 Ah Battery	2 x 9 W CFL	4 Hours per day / 1 day	1 set
Model 3	37 Wp, PV, 40 Ah Battery	1 x 9 W CFL & 1 DC Fan	4 Hours per day / 1 day	1 set
Model 4	74 Wp, PV, 75 Ah Battery	2 x 9 W CFL & 1 DC Fan	4 Hours per day / 1 day	1 set
Model 5	74 Wp, PV, 75 Ah Battery	4 x 9 W CFL	4 Hours per day / 1 day	1 set

"LUCRATIVE" SOLAR LATERNS



LUC-LL01

LUC-LL03

LUC-LL02

LUC-CL04

Solex Solar Lantern is a portable light source like a traditional lantern which gives SUN directional pure white light. It consists of Solar Module, Sealed Maintenance Free (SMF) Lead Acid battery, Charge controller and inverter for lighting the Compact Fluorescent Lamp (CFL & LED Light).

Highly efficient two-step charge controller protects battery from over charging and deep discharging. High frequency inverter offers high efficiency, more light output and long service life to the CFL Lamp & LED Light.

PRODUCT NAME	Solar 3 LED Lantern	Solar 5 LED Lantern	Low Cost LED Lantern	Solar 7 CFL Lantern
Model No.	LUC-LL01	LUC-LL02	LUC-LL03	LUC-CL04
Application	Lantern + Mobile Charging			Lantern
Solar Panel	10 Wp	24 Wp	40 Wp	75 Wp
Solar Charge Controller	Integrated as a part of lantern			
Battery	6 V-4.5 Ah SMF Battery	12 V-7 Ah SMF Battery	6 V-4.5 Ah SMF Battery	12 V-7 Ah SMF Battery
Luminaries	3 W LED	5 W LED	3 W LED	7 W CFL
LED/CFL	W-LED-OSRAM/NICHIA/SEOUL/PHILIPS, Eq.			OSRAM
Electronics Efficiency	>85%			
Protection	Low battery over charging, deep discharging, reverse flow, revers polarity cut-off			
Cable set	Tinned copper double core cable set			

Model	PV Module	Battery	Lamp	Hours of Operation
Model 1	5 Wp	12 V / 7 Ah	5 W CFL	2.5 to 3 Hours per day
Model 2	10 Wp	12 V / 7 Ah	5 / 7 W CFL	3 to 4 Hours per day
Model 3	12 Wp	12 V / 7 Ah	7 W CFL	4 Hours per day