



**HAVELLS**

**enviro**  
HARNESSING LIGHT. HARVESTING ENERGY.



## Maximize Power, Maximize Savings.

### Features

- Load sharing by solar and battery to maximize solar energy utilization
- 4 stage intelligent charging to ensure longer battery life
- High efficiency and a longer back up time with savings on electrical bills
- LED or LCD\* display
- Complete solar home system with PV panel, inverter and battery also available
- Pure sine wave inverter with built in solar charge controller
- Audio visual alarms for error & warnings
- Auto restart for overload in Inverter mode
- Grid charger mute when solar priority is enabled
- Overload, short circuit, over temperature battery low/ high protection
- Grid input wide and narrow (sensitive) modes protect sensitive home/office equipment's
- Can operate with diesel generator

\*LCD display only for SI1500. All loads to be connected as per capacity of inverter sizing.



**SI-850/1100**

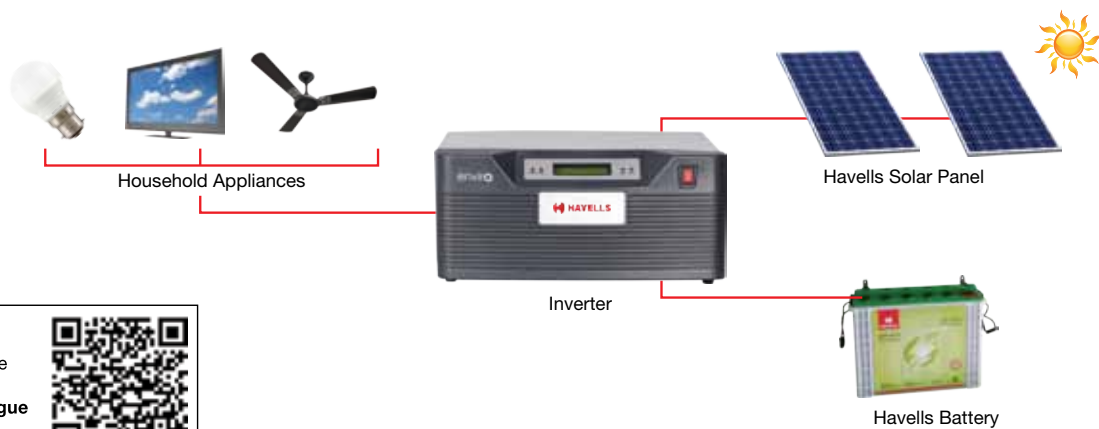


**SI-1500**

# Enviro Solar Home Inverter

## SI-850/1100/1500

Model No.	SI 850	SI 1100	SI 1500
PCU Capacity	850 VA	1100 VA	1500 VA
Nominal Battery Voltage (Vdc)	12 V	12 V	24 V
<b>SOLAR PHOTOVOLTAIC INPUT</b>			
Suggest Solar PV Module Combination	12 V 150 Wp x 2 N in parallel	12 V 150 Wp x 2 N in parallel Or 12 V 150 Wp x 3 N in parallel	24 V 250 Wp (60 cell) x 2 N in parallel Or 24 V 250 Wp (60 cell) x 4 N in parallel
Control Type	MOSFET based		
Max. permitted open circuit voltage (Voc)	25 VDC	25 VDC	44 VDC
Dimensions (LxWxH) (mm)	325x373x178	325x373x178	380x380x220
Weight (kg)	9.0	11.0	16.0
<b>BATTERY</b>			
Type of battery	TUBULAR LMLA / VRLA GEL		
Nominal DC Input Voltage	12 V (1 battery)		24 V (12 V x 2 N Battery)
Charging Current (High Setting) DC	15 A If battery capacity more than 130 Ah		
Charging Current (Low Setting) DC	8 A If battery capacity within (80-120 Ah)		
Operating Temperature	-10° C - 45° C (14°-113° F)		
Relative Humidity	0-95 % RH non-condensing		
Audible Noise	< 55 dB		
<b>GRID INPUT</b>			
Grid Input	Operating Voltage Range (Sensitive Mode)	170 VAC - 270 VAC	
	Operating Voltage Range(Wide Mode)	110 VAC - 290 VAC	110 VAC - 290 VAC
	Operating Frequency Range	42 Hz - 55 Hz	
Grid Output	Output Voltage (on Battery Mode)	220 VAC Nominal	
	Frequency (on Battery Mode)	50 Hz +/- 0.5 Hz	
	Transfer Time	< 20 m second	
Protections	Over Load (Mains Mode)	Circuit Breaker	
	Over Load (Battery Mode)	Yes	
	Battery Reverse Protection	Yes- By Battery Fuse	
	Short Circuit	Yes	
	Over Temperature	Yes	



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