



**HAVELLS**

**enviro**  
HARNESSING LIGHT. HARVESTING ENERGY.



## ENVIRO PM SERIES SOLAR HOME PCU



**PM 850 | PM 1100  
PM 1500 | PM 2000**

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## Performance Plus

- Extended Power backup with Solar power
- Optimum use of solar power even when electricity is available
- Sites Customizable operating modes to suit most of customer requirements
- Wide input grid voltage range for low voltage areas

## Continuous Savings

- Saves Up to 30 units and more of electricity per month in comparison to conventional home inverters\*

## Unmatched Features

- Pure Sine Wave Technology to enhance reliability and life of your home appliances
- Grid Charger Mute Option
- User friendly Graphical LCD and LED Display for improved user experience



## FEATUERS



\*Conditions apply

Model No.		PM 850	PM 1100	PM 1500	PM 2000
<b>Product Code</b>		<b>SSSSLX0229</b>	<b>SSSSLX0230</b>	<b>SSSSLX0231</b>	<b>SSSSLX0256</b>
Nominal Battery Voltage (V DC)		12 V	12 V	24 V	24 V
Maximum Load (Bulb Load)		550 W	660 W	1100 W	1550 W
<b>SOLAR PHOTOVOLTIC INPUT</b>					
Suggest Solar PV Module Combination		• 150 Wp x 3 nos in Parallel	• 150 Wp x 3 nos in Parallel • 200 Wp x 3 nos in Parallel	• 330 Wp x 3 nos in Parallel	• 330 Wp x 4 nos in Parallel
Control Type		MOSFET Based PWM			
Maximum DC link Voltage (Voc)		50 V DC			
Solar Charging Current		40 Amps MAX		45 Amps MAX	
<b>GRID INPUT</b>					
GRID INPUT	Operating Voltage Range (Narrow Mode)	170 V AC – 270 V AC			
	Operating Voltage Range (Wide Mode)	70 V AC – 290 V AC			
	Operating Frequency Range	46 Hz – 54 Hz			
GRID OUTPUT	Grid Charger Mute	Grid Charging will not work is Mute Option is selected			
	Output Voltage (On Battery Mode)	220 V AC Nominal			
	Frequency ( On Battery Mode)	50 Hz +/- 0.5 Hz			
	Transfer Time	Mains to Inverter < 20 mS & Inverter to Mains < 15 mS			
	Output Voltage (On Grid Mode)	Same as input Grid Voltage & Frequency			
	Time Delay	System will be synchronized to grid phase and frequency before transfer			
Protections	Output Waveform	Pure Sinewave with < 2% VTHD			
	Solar Array Reverse	No Operation, system will not charge			
	Overload	> 110 % continuous load			
	Battery Reverse Protection	YES – By Removable fuse			
	Short Circuit	System Shutdown – manual reset required			
	High Temperature	YES, Automatic Fan ON			
DC	Other Protections	No Reverse Power flow at night from battery to Array, over current, Over Voltage, Surge Voltage			
	Type of battery	Tubular LMLA / VRLA GEL			
	Nominal DC Input Voltage	12 V (1 battery)		24 V (12 V x 2 nos Battery)	
	Charging Current (Hi Setting)	15 A			
Environmental	Charging Current (Lo Setting)	7 Amps			
	Operating Temperature	-10 °C - +50 °C			
	Relative Humidity	0-95 % RH non-condensing			
Construction	Audible Noise	< 55 dB			
	Cabinet	Metal Cabinet with Powder Coating			
	Weight	9.05 kg	10 kg	13.5 kg	15.52 kg
	Dimensions	273 mm x 262 mm x 135m		325 mm x 270 mm x 160 mm	

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LP/ZHILLE00146/AUG17/AUG18/NOV19/JAN20

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