



HAVELLS

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HARNESSING LIGHT. HARVESTING ENERGY.



ENVIRO PM SERIES SOLAR HOME PCU



**PM 850 | PM 1100
PM 1500 | PM 2000 | PM 2500**

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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	PM 2500
Product Code		SSSSLX0229	SSSSLX0230	SSSSLX0231	SSSSLX0256	SSSSLX0688
PCU CAPACITY (kVA)		850 VA	1100 VA	1500 VA	2000 VA	2500 VA
Nominal Battery Voltage (V DC)		12 V	12 V	24 V	24 V	24 V
Maximum Load (Bulb Load)		550 W	660 W	1100 W	1550 W	2000 W *
SOLAR PHOTOVOLTAIC INPUT						
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	• 335 Wp x 3 nos in Parallel	• 335 Wp x 4 nos in Parallel	• 335 Wp x 5 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		
GRID INPUT						
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)	230 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				
Other Protections	No Reverse Power flow at night from battery to Array, over current, Over Voltage, Surge Voltage					
BATTERY						
DC	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				
	Charging Current (Lo Setting)	7 Amps				
Environmental	Operating Temperature	-10 °C - +50 °C				
	Relative Humidity	0-95 % RH non-condensing				
	Audible Noise	< 55 dB				
Construction	Cabinet	Metal Cabinet with Powder Coating				
	Weight	9.05 kg	10 kg	13.5 kg	15.52 kg	19 kg
	Dimensions	273 mm x 262 mm x 135 mm		325 mm x 270 mm x 160 mm		335 mm x 210 mm x 300 mm

Note : PM 2500 is suitable to run 1 HP Monoblock Pump*/ Motor* with maximum surge current of 9 Amps. Kindly check and install accordingly.

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LP/ZH/LE00163/JULY 21/MAY22

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CIN - L31900DL1983PLC016304.



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