

Efficient And Reliable Energy Solution!

Where cost per KWhr matters..



PV UP – P SERIES



OVERVIEW

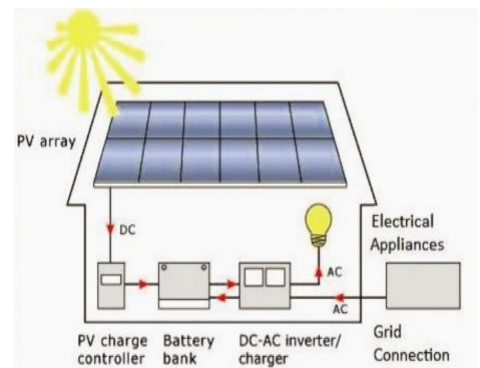
The “PV-UP” P – Series Inverters from PPS Enviro is a “**DSP Based**” Intelligent, Sine Wave Inverter / Charger with an Integrated High Efficiency Charge Controller, Advanced Control and Protection Features. “PV-UP” P-Series Inverters provide Reliable, Efficient, and Low Cost Solution for backup power application. It is a fully integrated “Plug & Play” unit, easy to install, maintain and operate.

OPERATION PHILOSOPHY

The “PV-UP” P – Series is an inverter/charger, a combination that ensures battery is well maintained and an uninterrupted power is provided to the connected loads.

The unit can either configure itself as a charger or inverter when the battery reserve cannot be maintained. Under Normal Mode, the systems prioritize the use of solar power, charge the battery and power the loads. The gap if any between the solar power generated and the load is met by the battery reserve.

When the battery reserve goes below the user defined preset point then the grid is brought in to meet the load. The “PV-UP” P – Series inverter uses a advanced, high efficiency, battery charging algorithm to maintain a healthy battery state of charge, there by prolonging battery life.



TECHNICAL SPECIFICATIONS – “PV-UP” P – SERIES

Operating Parameters	Technical Information							
Model	P 350	P600	P800	P1200	P1800	P2200	P2600	P3200
Inverter Rating	350VA	600VA	800VA	1200VA	1800VA	2200VA	2600VA	3200VA
Input DC Voltage – Nominal	12Vdc			24Vdc		48Vdc		
Solar Array Rating (Standard)	300Wp	500Wp	600Wp	1000Wp	1500Wp	2000Wp	2500Wp	3000Wp
Surge Rating	110% for 60 Seconds 150% for 30 Second							
Output Waveform	Sine Wave							
Technology	DSP Based Intelligent Control – Bi-directional							
Nominal Output Voltage	220 / 230Vac, Single Phase (±1%)							
Nominal Output Frequency	50Hz ± 3Hz							
Input Grid Acceptable Range	160Vac – 270Vac							
Transfer Time	<5 milli seconds							
No Load Consumption	< 1%							
Max Grid Charging Current	Max 15 A – Configurable through Software Set Points							
Total Harmonic Distortion	Less than 2%							
Over Load	Auto Reset							
Efficiency	> 85%			> 87%		> 90%		
Front Panel Indicators	LED's to Indicate the following: <ul style="list-style-type: none"> • Mains ON • Inverter ON • Charger ON • Battery LOW • Overload • System FAULT 							
Protections	<ul style="list-style-type: none"> • Grid Over / Under Voltage • Grid Over / Under Frequency • Inverter Overload • Short Circuit • Battery Low / High Shutdown • Solar / Battery Reverse • AC Input / Output Reverse 							
Front Panel Display	Double Line LCD display – Auto Play							
Priority	Selectable – Solar Priority is factory set.							
Communication (Optional)	RS 232 / USB / GSM / GPRS Modem / WI-FI– Optional							
Data log / Web Log Download Capability (Optional)	Available							
Environmental								
Operating Temperature Range	-5°C to +55°C							
Humidity	0 – 95% non-condensing							
Enclosure	IP 20							
Acoustic Noise	Less than 60dB at 1 meter distance							
Dimensions (W x D x H) in mm	330 x 390 x 120			205 x 355 x 290		235 x 385 x 360		
Weight	8 Kgs	10 Kgs	12 Kgs	14 Kgs	18 Kgs	24 Kgs	30 Kgs	38 Kgs
Warranty	24 Months from the date of Shipment							

Manufactured By:
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