

SPEARHEADING

SOLAR TECHNOLOGY REVOLUTION



AFFORDABLE

CREDIBLE

RELIABLE

**ENVIRONMENT
FRIENDLY**

Solar Inverter/UPS will always charge the battery when solar is present till the battery voltage reaches 14.7V. Solar current will be zero once battery reaches 14.7V. Solar will reconnect the battery (starts recharging) if the battery voltage reaches 12.6V on discharge.



énergie Solar Hybrid Sine Wave UPS

TECHNICAL SPECIFICATIONS*						
Parameter↓ Model→	TPSHW..P	8501220	10501220	12501220	16502420	25002420
Capacity		700VA	900VA	1100VA	1500VA	2000VA
I/P Range (Normal Mode)		100V-290V ±10V				
I/P Range (UPS Mode)		180V-265V ±5V				
O/P Voltage Battery Mode		220V ±5%				
O/P Frequency Battery Mode		50Hz ± 0.2Hz				
O/P Waveform Battery Mode		Pure Sine Wave				
Low Battery Alarm		10.8V ±0.2V		21.6V ±0.4V		
Low Battery Shutdown		10.5V ±0.2V		21.0V ±0.4V		
Running Load		46A±2A	60A±2A	73A±2A	50A±2A	73A±2A
DC Voltage		12V			24V	
Overload		48A±2A	62A±2A	75A±2A	52A±2A	75A±2A
Charging Current		10A±1A	10A±1A		10A±1A	
Charging Cut off.		14.4V±13.7V			28.8V±27.4V	
No Load Current		<2.5A				
Efficiency		>85%				
Battery Recommended Capacity		100Ah-250Ah				
Solar Charge Controller type		PWM base with zero drop				

* Specifications may change due to continuous R&D

LOAD CHART												
Application	600VA		700VA		900VA		1100VA		1500VA		2200VA	
	A	B	A	B	A	B	A	B	A	B	A	B
Fan	3	3	4	3	4	1	2	6	3	8	2	12
Tubelight	3	2	3	3	4	1	2	4	3	8	2	10
TV	1	-	1	-	1	1	-	1	-	1	2	1
Computer	1	-	1	1	-	-	1	-	1	-	1	1
CFL	2	-	2	2	4	2	2	4	1	4	-	4
Monoblock 5hp					-	1	1	-	1	-	-	-
Submersible Pump 1hp					-	-	-	-	-	-	1	-

Note : • The above load chart calculations are indicative values only and depends upon manufacturer specification
 • Tubelight-40W, CFL-15W, 19-21" TV, 14" TFT Monitor
 • 48mm ceiling fan (3 blades 1000-1200mm sweep)
 • When PC is running TV is not recommended

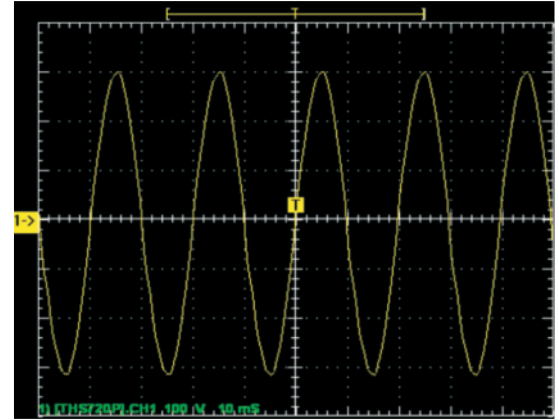
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SALIENT FEATURES

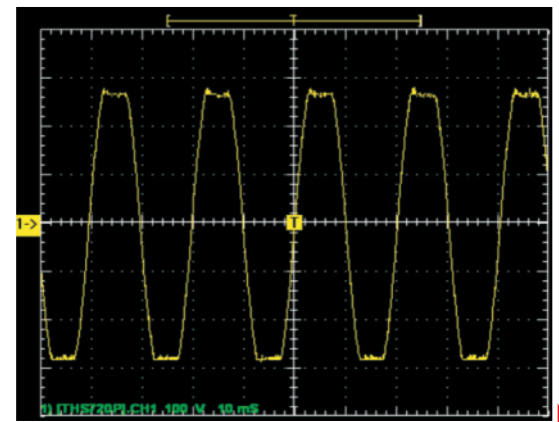
- High End DSP/ Micro Controller based Smart Control Design operates on high frequency - it increases the performance and system works smoothly without any irritating noise.
- Pure Sine Wave output even at 10.5V DC that improves the life of appliances connected on the UPS.
- Complete Automatic and High Charging Selection Technology that selects the charging profile according to power cut and battery health conditions
- Fast Charging - charging current highest in industry.
- Charging starts from 100V AC-Best suited for rural applications where input voltage remains low (below 160V AC)
- GPM Technology-Enhance battery life due to GPM Technology
- Smart Overload, Short Circuit & Low Battery Protection with Intelligent Multi Stage Control Programming - Improves the reliability of the product

- Instantaneous Reverse Phase Protection - That increases the reliability of the Inverter.
- Battery Deep Discharge Protection-Protects the battery from deep discharge that increases the life of battery.
- Noiseless Operation on Mains as Well as Backup Mode - No irritating noise during charging as well as battery mode operation.
- Power Saver Inside- Due to use of PFC Technology and better management of charging technology power saved by inverter drastically that reduces the electricity bill significantly.
- It can run ½ HP pump on 900VA and higher models.
- Its High Frequency Technology prevents computer rebooting saving you from the perils of data loss.

OUTPUT WAVEFORM COMPARISON



TP



OTHERS

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