



SPEARHEADING

SOLAR TECHNOLOGY REVOLUTION



AFFORDABLE

CREDIBLE

RELIABLE

ENVIRONMENT FRIENDLY



PCU is an intelligent solar inverter with grid connectivity and battery backup. It works with priority to solar/ battery/ grid power. This PCU will provide full power from solar panels and will charge battery simultaneously keeping the grid off. In case of unavailability/ partial availability of solar power it will transfer full/partial load to the batteries. If the battery voltage goes below a set level, the PCU will automatically transfer the load to the grid/ DG power and charges simultaneously. Once the batteries are charged to the present level, the PCU will switch off the Grid / DG Power from the system and restores it to solar panels. The PCU automatically switches to hybrid (current sharing) mode if the solar power is low compared to the load requirement.

BRINGS LIFE TO ABSOLUTELY DEEP DISCHARGE

BATTERIES ZERO VOLT PICK-UP

Now nothing can be as smart as TP Signature Inverter to get started with deep discharge (Zero Volt) batteries. with Signature around, you need not worry just plug in Signature to your battery and enjoy instant charging.

MAXIMUM CHARGING POWER RANGE

Your TP Signature Inverter work in any village, any town or any region in india. A charging capacity of 100V to 300V and a charging of 12A even on 120V makes TP the super charging inverter.

ANY BATTERY FIT

TP Signature Inverter work with any battery, Branded-Non Branded, Tubular-Flat plate, Normal-SMF and charges them to their optimum capacity. Its GPM technology take care of any battery-be it new or old. GPM keeps your battery fit for full life and also makes them a working wonder.

AUTOMATIC CHARGING SELECTION TECHNOLOGY

Your TP Signature Inverter Micro Controller understands power cut situations and decides optimum charging cut off and charging current for your battery. More power cuts means more charging-less power cuts means lesser charging. Now charging as per the power cuts-Freedom from charging switch.

TP MEANS HEALTHIER LONG LIVING BATTERIES

TP Signature Inverter takes care of the first charging of batteries same as the care given to a new born baby. It reduces battery sulphation, increases the speed of ions inside, removes stratification and builds up strong gravity for your battery making them stringer, healthier, long lasting giving full back-up.

TOTAL PROTECTION ASSURED

Your TP Signature Inverter promises complete protection from battery burst and blast. It protects from running of high current in situation of short circuit in Thyristor. The Ultra modern technology in-built in TP Signature Inverter assures protection in double phase, short circuit, phase reversal and sudden AC back feed. **Temperature Protection:** if internal temperature of UPS increases beyond specified limits, a special sensor shutdowns & protects UPS.

SUPER STYLING

Your TP Signature Inverter not only exceeds in performance but also stands out with its super style. Its high quality paint, sleek contours and design add up to your home decor. Its touch button based interactive panel gives it an unbeatable international feel and looks.

SAVING UNLIMITED

- Your TP Signature Inverter uses ultra modern Power Saver Technology (PFC) for saving in electricity bill. It has an inbuilt energy saver kit worth Rs. 1500/-.
- TP Signature Green Mode feature switches off your inverter in situation of no load within 10 hours in backup mode.
- Normal inverter trickle charges your batteries even after full recharge whereas signature dose oscillation charging after optimum recharge giving you a saving of 75% power.
- The Inbuilt cooling fan inside keeps it cool & enhances performance
- Signature's high frequency technology prevents computer rebooting saving you from the perils of data loss.
- Signature can run 1/2 hp pump on 9000 SG and higher model
- The most tecnologically advance signature charging not only reduces power bill but also makes battery life double now this is called super saver inverter.

Signature Pure Quasi Square Wave Solar PCU

TECHNICAL SPECIFICATION*

Parameter ↓ Models → TPSPSQ..P	8501220	10501220	12501220	16502420	25002420
Application	700VA,12V	900VA,12V	1100VA,12V	1500VA,24V	2200VA,24V
I/P Range (Normal Model)	100V-290V± 10V				
I/P Range (UPS Model)	180V-265V± 5V				
O/P Voltage Battery Mode	220V± 10%				
O/P Frequency Battery Mode	50Hz± 0.2Hz				
O/P Waveform Battery Mode	Quas: square wave				
Low Battery Alarm	10.5v± 0.2V			20.8V± 0.4V	
Low Battery Shutdown	10.0v± 0.2V			20.0V± 0.4V	
Running Load	40A± 2A	50A± 2A	68A± 2A	50A± 2A	74A± 2A
DC Voltage	12V			24V	
Overload	44A± 2A	54A± 2A	72A± 2A	54A± 2A	78A± 2A
Charging Current	10A± 1A	11A± 1A	11A± 1A	10A± 1A	
Charging Cut off	14.4V/13.7V± 0.1V			28.8V/27.4V± 0.1V	
Charging Cut off Solar	14.8V± 0.1V			29.6V± 0.2V	
No Load Current	<2.5A				
Efficiency	>85%				
Battery Recommended	100Ah-200Ah				
Solar Charge Current	20A/ 30A/ 40A/50A				
Solar Charge Controller type	PWM based 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	2	1	3	2	4	3	5	3	8	6	10	6
Tubelight	2	1	2	2	3	3	5	3	6	6	10	6
TV	1	-	1	-	1	-	1	-	1	-	2	1
Computer	-	1	-	1	-	1	-	1	-	1	1	2
CFL	1	-	1	-	3	-	4	3	3	-	8	6



TP IMPEX LIMITED

28/6/5, First Floor, Near MC Primary School,
Near Rohini Sector-18 Metro Station, Badli, New Delhi 110042
Toll Free Helpline No. : 1800-123-8132 | E-mail : info@tpil.in
For Sales - 9313131410, 9313131411, 9811077968, Service 9313131406

Authorised Dealer:

