

# EXPERIENCE POWER UNINTERRUPTED



Dear Prospective Channel Partner,

Thank you for your interest in the products of Servotech Power Systems Pvt. Ltd. Beginning from 1994, Servotech has been a Solar Solution company, specializing in the design and manufacture of high-quality Solar Products. We will consider you a significant element of our long-term success as an authorized dealer.

Our wholesalers are authorized to sell our products to you as per your necessity. Another rewarding side of this partnership involves professional support from our side which helps you procure the most suitable solar products which compliment your requirements. Protecting the brand's long-term value and marketing the goods in the best possible way is in the best interests of both Servotech and its authorized distributor.

While there is no first minimum order, dealer discounts are given with the premise that the partnership must be viable and lucrative for both parties. As a result, dealer status may be checked on a regular basis, and inactive accounts may be closed.

Thank you again for your interest in being a Servotech-approved dealer. Please do not hesitate to contact us if you have any questions.

Servotech Power Systems Limited

# HERITAGE

HOME UPS | 1300VA-10 KVA



When mains power is available, the technologically innovative HERITAGE Home UPS supplies output power while charging the battery. HERITAGE transfers the entire load to its optimally charged battery and offers high-quality AC power in the event of a power loss. The inbuilt stabilizer and charger, in addition to the finest quality components and engineering, distinguish HERITAGE. There's no need to buy a separate voltage stabilizer or a charger for charge recovery if the battery runs out with Heritage. As a result, it is quickly becoming the most popular sine-wave UPS available.



Faster Battery Charging  
With CD15 Ampere Current



Smart Charging Even  
at low voltages of 90V\*



Back feed and phase-to-phase  
supply are completely protected



Compatible with  
all types of batteries



LED BULB



TULLU PUMP



JUICER MIXER



PC



LED TV



REFRIGERATOR



SUBMERSIBLE PUMP



DENTAL CHAIR



PHOTOCOPIER



WASHING MACHINE

## PRODUCT SPECIFICATIONS

| MODEL NAME                                                           | 900VA                                                                                                                               | 1050VA | 1100VA | 2000VA      | 3500VA      | 5250VA | 5250VA             | 6000VA     | 7500VA      | 10000VA   |
|----------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|--------|--------|-------------|-------------|--------|--------------------|------------|-------------|-----------|
| MAINS MODE                                                           |                                                                                                                                     |        |        |             |             |        |                    |            |             |           |
| Mains AC Input range (UPS mode)                                      | 175VAC-265VAC + 10VAC                                                                                                               |        |        |             |             |        |                    |            |             |           |
| Mains AC low cut recovery UPS mode                                   | 185VAC ± 10VAC                                                                                                                      |        |        |             |             |        |                    |            |             |           |
| Mains AC high cut recovery UPS mode                                  | 255VAC ± 10VAC                                                                                                                      |        |        |             |             |        |                    |            |             |           |
| Mains AC Input range (WUPS mode)                                     | 90VAC-295VAC + 10VAC                                                                                                                |        |        |             |             |        |                    |            |             |           |
| Mains AC low cut recovery WUPS mode                                  | 110VAC ± 10VAC                                                                                                                      |        |        |             |             |        |                    |            |             |           |
| Mains AC high cut recovery WUPS mode                                 | 285VAC ± 10VAC                                                                                                                      |        |        |             |             |        |                    |            |             |           |
| Input Frequency Range                                                | 40Hz to 60Hz                                                                                                                        |        |        |             |             |        |                    |            |             |           |
| Battery                                                              |                                                                                                                                     |        |        |             |             |        |                    |            |             |           |
| DC input voltage                                                     | 12V                                                                                                                                 |        |        | 24V         | 48V         |        | 96V                | 72V        | 96V         | 120V      |
| Battery deep Discharge Recovery                                      | Yes (Independent Charger to Recover Deep Discharge Battery)                                                                         |        |        |             |             |        |                    |            |             |           |
| Charging Current 100Ah-135Ah<br>Setting (I/P range 135VAC to 295VAC) | 12A ± 1A                                                                                                                            |        |        |             |             |        |                    |            |             |           |
| Charging Current 150Ah-220Ah<br>Setting (I/P range 135VAC to 295VAC) | 15A ± 1A                                                                                                                            |        |        |             |             |        |                    |            |             |           |
| Backup Mode                                                          |                                                                                                                                     |        |        |             |             |        |                    |            |             |           |
| Output voltage / Frequency                                           | 220VAC + 5% -10% (until battery low alarm) / 50Hz ± 0.2 Hz                                                                          |        |        |             |             |        |                    |            |             |           |
| Output waveform                                                      | Pure Sine Wave                                                                                                                      |        |        |             |             |        |                    |            |             |           |
| Low Battery Cut                                                      | 10.4V±0.2V                                                                                                                          |        |        | 21.6V±0.2V  | 43.2V±0.4V  |        | 86.4V±0.4V         | 64.8V±0.4V | 86.4V±0.4V  | 108V±0.4V |
| Change over time UPS /WUPS mode                                      | < 10msec / < 25msec                                                                                                                 |        |        |             |             |        | < 4msec / < 25msec |            |             |           |
| Protections                                                          |                                                                                                                                     |        |        |             |             |        |                    |            |             |           |
| Overload /Short Ckt./Backfeed in backup mode                         | Available                                                                                                                           |        |        |             |             |        |                    |            |             |           |
| Over temperature/ Reverse Battery                                    | Available                                                                                                                           |        |        |             |             |        |                    |            |             |           |
| Phase to Phase protection in mains mode                              | Available                                                                                                                           |        |        |             |             |        |                    |            |             |           |
| Display and Alarms                                                   |                                                                                                                                     |        |        |             |             |        |                    |            |             |           |
| LED Status Display                                                   | Mains ON, Input -Voltage/ Frequency, Battery -Voltage/Charging/Charged, UPS ON-OFF, Load, Output Voltage etc and all fault messages |        |        |             |             |        |                    |            |             |           |
| Buzzer                                                               | Audible beep for all protections                                                                                                    |        |        |             |             |        |                    |            |             |           |
| Weight and Dimensions                                                |                                                                                                                                     |        |        |             |             |        |                    |            |             |           |
| Dimensions in mm                                                     | 270x190x125                                                                                                                         |        |        | 340x230x260 | 350x230x310 |        | 530x360x585        |            | 550x410x650 |           |
| Weight                                                               | 9.0kg                                                                                                                               | 9.35kg | 9.5kg  | 15.9kg      | 21.4kg      | 26.3kg | 43kg               | 51kg       | 73kg        | 78kg      |

## LOAD CHART\*

| PRODUCTS                | 900VA |   | 1050VA |   | 1100VA |   | 2000VA |    | 3500VA |   | 5250VA |    | 5250VA |    | 6000VA |    | 7.5 KVA |    | 10 KVA |    |
|-------------------------|-------|---|--------|---|--------|---|--------|----|--------|---|--------|----|--------|----|--------|----|---------|----|--------|----|
| OPTIONS                 | A     | B | A      | B | A      | B | A      | B  | A      | B | A      | B  | A      | B  | A      | B  | A       | B  | A      | B  |
| 21" TV/29" TV*          | -     | 1 | -      | 1 | -      | 1 | 2      | 1  | 2      | - | 4      | 2  | 4      | 2  | 2      | 1  | 4       | 3  | 2      | 2  |
| Fan                     | 3     | 4 | 3      | 4 | 4      | 3 | 8      | 10 | 4      | 4 | 15     | 10 | 15     | 10 | 10     | 6  | 15      | 5  | 20     | 4  |
| Tube Light              | 3     | 4 | 3      | 4 | 4      | 3 | 8      | 10 | 4      | 8 | 15     | 10 | 15     | 10 | 10     | 5  | 15      | 10 | 20     | 15 |
| 11W CFL                 | 3     | 6 | 3      | 6 | 5      | 5 | 10     | 16 | 4      | 4 | 15     | 20 | 15     | 20 | 20     | 10 | 15      | 10 | 20     | 15 |
| 0.8 Ton AC              | -     | - | -      | - | -      | - | -      | -  | -      | - | -      | -  | -      | -  | 2      | -  | -       | -  | -      | -  |
| Computer                | 1     | - | 1      | - | 1      | - | -      | -  | 4      | - | -      | -  | -      | -  | -      | -  | -       | -  | -      | -  |
| Air Cooler              | -     | - | -      | - | -      | - | -      | -  | -      | 1 | -      | 2  | -      | 2  | 1      | -  | 2       | 2  | 4      | 4  |
| Refrigerator<br>360 ltr | -     | - | -      | - | -      | - | -      | -  | 1      | - | -      | -  | -      | -  | 1      | -  | -       | -  | -      | -  |
| 1 Ton AC                | -     | - | -      | - | -      | - | -      | -  | -      | 1 | -      | 1  | -      | 1  | -      | 2  | -       | -  | -      | -  |
| 1.5 Ton AC              | -     | - | -      | - | -      | - | -      | -  | -      | - | -      | -  | -      | -  | -      | -  | -       | 2  | -      | 2  |

\*conditions apply

# GREENLIGHT

**SOLAR PCU | 700VA - 10 KVA**



The GREENLIGHT solar PCU, which is powered by Servotech's high-quality solar panels, can save up to 30% on energy costs. Greenlight is a new generation Hybrid Power Conditioning Unit that accepts dual inputs at the same time, i.e. grid power and solar power, while prioritising solar power, hence lowering the electricity bill. Furthermore, dual inputs serve to safeguard us from prolonged power outages. In the event that the solar panels are not connected to the system, the system can also function as a standard UPS.

BATT VOLT 27.6V  
AC LOAD 26%

Notifications displayed on a large LCD screen



Usage Settings for Smart Solar Optimization



Zero-voltage gravity, Recover a deep-discharge battery



Solar charging controller with 50 amps\* built-in



LED BULB



TULLU PUMP



JUICER MIXER



LAPTOP



LED TV



REFRIGERATOR



SUBMERSIBLE PUMP



DENTAL CHAIR



PHOTOCOPIER



WASHING MACHINE

| PRODUCT SPECIFICATIONS                                               |                                                                                                                                                                                                    |                                                                                                                                       |        |             |        |             |         |                    |            |                      |           |
|----------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|--------|-------------|--------|-------------|---------|--------------------|------------|----------------------|-----------|
| MODEL NAME                                                           | 700VA                                                                                                                                                                                              | 1000VA                                                                                                                                | 1100VA | 2000VA      | 2500VA | 3500VA      | 5250VA  | 5250VA             | 6000VA     | 7500VA               | 10000VA   |
| MAINS MODE                                                           |                                                                                                                                                                                                    |                                                                                                                                       |        |             |        |             |         |                    |            |                      |           |
| Mains AC Input range (UPS mode)                                      | 175VAC-265VAC ± 10V                                                                                                                                                                                |                                                                                                                                       |        |             |        |             |         |                    |            |                      |           |
| Mains AC low cut recovery UPS mode                                   | 185VAC ± 10VAC                                                                                                                                                                                     |                                                                                                                                       |        |             |        |             |         |                    |            |                      |           |
| Mains AC high cut recovery UPS mode                                  | 255VAC ± 10VAC                                                                                                                                                                                     |                                                                                                                                       |        |             |        |             |         |                    |            |                      |           |
| Mains AC Input range (WUPS mode)                                     | 90VAC-295VAC ± 10V                                                                                                                                                                                 |                                                                                                                                       |        |             |        |             |         |                    |            |                      |           |
| Mains AC low cut recovery WUPS mode                                  | 110VAC ± 10VAC                                                                                                                                                                                     |                                                                                                                                       |        |             |        |             |         |                    |            |                      |           |
| Mains AC high cut recovery WUPS mode                                 | 285VAC ± 10VAC                                                                                                                                                                                     |                                                                                                                                       |        |             |        |             |         |                    |            |                      |           |
| Input Frequency Range                                                | 40Hz to 60Hz                                                                                                                                                                                       |                                                                                                                                       |        |             |        |             |         |                    |            |                      |           |
| Battery                                                              |                                                                                                                                                                                                    |                                                                                                                                       |        |             |        |             |         |                    |            |                      |           |
| DC input voltage                                                     | 12V                                                                                                                                                                                                |                                                                                                                                       |        | 24V         |        | 48V         |         | 96V                | 72V        | 96V                  | 120V      |
| Battery deep Discharge Recovery                                      | Yes (Independent Charger to Recover Deep Discharge Battery)                                                                                                                                        |                                                                                                                                       |        |             |        |             |         |                    |            |                      |           |
| Charging Current 100Ah-135Ah<br>Setting (I/P range 135VAC to 295VAC) | 12A ± 1A                                                                                                                                                                                           |                                                                                                                                       |        |             |        |             |         |                    |            |                      |           |
| Charging Current 150Ah-220Ah<br>Setting (I/P range 135VAC to 295VAC) | 15A ± 1A                                                                                                                                                                                           |                                                                                                                                       |        |             |        |             |         |                    |            |                      |           |
| Backup Mode                                                          |                                                                                                                                                                                                    |                                                                                                                                       |        |             |        |             |         |                    |            |                      |           |
| Output voltage / Frequency                                           | 220VAC +5% -10% (until battery low alarm) / 50Hz ± 0.2 Hz                                                                                                                                          |                                                                                                                                       |        |             |        |             |         |                    |            |                      |           |
| Output waveform                                                      | Pure Sine Wave                                                                                                                                                                                     |                                                                                                                                       |        |             |        |             |         |                    |            |                      |           |
| Low Battery Cut                                                      | 10.4V±0.2V                                                                                                                                                                                         |                                                                                                                                       |        | 21.6V±0.2V  |        | 43.2V±0.4V  |         | 86.4V±0.4V         | 64.8V±0.4V | 86.4V±0.4V           | 108V±0.4V |
| Change over time UPS /WUPS mode                                      | < 10msec / < 25msec                                                                                                                                                                                |                                                                                                                                       |        |             |        |             |         | < 4msec / < 25msec |            |                      |           |
| Protections                                                          |                                                                                                                                                                                                    |                                                                                                                                       |        |             |        |             |         |                    |            |                      |           |
| Overload /Short Ckt./Backfeed in backup mode                         | Available                                                                                                                                                                                          |                                                                                                                                       |        |             |        |             |         |                    |            |                      |           |
| Over tempature/ Reverse Battery                                      | Available                                                                                                                                                                                          |                                                                                                                                       |        |             |        |             |         |                    |            |                      |           |
| Phase to Phase protection in mains mode                              | Yes provided by electronic                                                                                                                                                                         |                                                                                                                                       |        |             |        |             |         |                    |            |                      |           |
| Solar Charge Controller                                              |                                                                                                                                                                                                    |                                                                                                                                       |        |             |        |             |         |                    |            |                      |           |
| Solar Charge Controller type                                         | PWM type                                                                                                                                                                                           |                                                                                                                                       |        |             |        |             |         |                    |            |                      |           |
| Maxi Panel wattage can be connected                                  | 500W                                                                                                                                                                                               | 600W                                                                                                                                  |        | 1500W       | 1800W  | 3000W       |         | 6500W              | 4500W      | 6500W                | 8000W     |
| Maxi PV current                                                      | 30A                                                                                                                                                                                                |                                                                                                                                       |        | 50A         |        |             |         |                    |            |                      |           |
| Reverse PV protection /current flow to PV                            | Available                                                                                                                                                                                          |                                                                                                                                       |        |             |        |             |         |                    |            |                      |           |
| Sharing of current when PV and Grid Both are available               | If PV power is not sufficient enough to charge the battery, system will start sharing battery charging from PV and grid.                                                                           |                                                                                                                                       |        |             |        |             |         |                    |            |                      |           |
| Option for Grid and Battery priority                                 | Available, Customer friendly settings                                                                                                                                                              |                                                                                                                                       |        |             |        |             |         |                    |            |                      |           |
| Display and Alarms                                                   |                                                                                                                                                                                                    |                                                                                                                                       |        |             |        |             |         |                    |            |                      |           |
| LCD Status Display                                                   | Mains ON, Input -Voltage/Frequency, Battery -Voltage/Charging/Charged, Charging Current, PV Voltage/current Backup Mode, UPS- ON/OFF, Load %, Output -Voltage/ Frequency and all protections etc., |                                                                                                                                       |        |             |        |             |         |                    |            |                      |           |
| Weight and Dimensions                                                |                                                                                                                                                                                                    |                                                                                                                                       |        |             |        |             |         |                    |            |                      |           |
| Dimensions in mm                                                     | 270x190x125                                                                                                                                                                                        |                                                                                                                                       |        | 340x230x260 |        | 350x230x310 |         | 530x360x585        |            | 550x410x650          |           |
| Weight                                                               | 8.5kg                                                                                                                                                                                              | 9.35kg                                                                                                                                | 9.5kg  | 15.9kg      | 18.3kg | 25 Kg       | 27.5 Kg | 43kg               | 51kg       | 73kg                 | 78kg      |
| LOAD CHART*                                                          |                                                                                                                                                                                                    |                                                                                                                                       |        |             |        |             |         |                    |            |                      |           |
| S. No                                                                | Model                                                                                                                                                                                              | Load on Solar                                                                                                                         |        |             |        |             |         |                    |            | Solar Panel Capacity |           |
| 1.                                                                   | 700/12V                                                                                                                                                                                            | 2 Fan+4 CFL+1 TV                                                                                                                      |        |             |        |             |         |                    |            | Upto 500 W           |           |
| 2.                                                                   | 1000/12V                                                                                                                                                                                           | 4 Fan + 8 CFL + 1 TV or 2 Fan + 4 CFL + 1 Refrigerator                                                                                |        |             |        |             |         |                    |            | Upto 600 W           |           |
| 3.                                                                   | 1100/12V                                                                                                                                                                                           | 5 Fan + 10 CFL + 1 TV or 3 Fan + 6 CFL + 1 Refrigerator + 1 TV                                                                        |        |             |        |             |         |                    |            | Upto 600 W           |           |
| 4.                                                                   | 2000/24V                                                                                                                                                                                           | 12 Fan + 10 CFL + 1 TV or Water Pump 1 HP + 3 Fan + 6 CFL + 1 Refrigerator + 1 TV                                                     |        |             |        |             |         |                    |            | Upto 1500 W          |           |
| 5.                                                                   | 2500/24V                                                                                                                                                                                           | 14 Fan + 15 CFL+1 TV or Submersible Pump 1 HP + 4 Fan + 5 CFL or 3 Fan+6 CFL+1 TV                                                     |        |             |        |             |         |                    |            | Upto 1800 W          |           |
| 6.                                                                   | 3500/48V                                                                                                                                                                                           | 10 Fan + 20 CFL+1 TV or Submersible Pump 1 HP+6 Fan+10 CFL or 5 Fan + 8 CFL+1 TV or 1 Petrol Pump Nosel                               |        |             |        |             |         |                    |            | Upto 3000 W          |           |
| 7.                                                                   | 5250/48V                                                                                                                                                                                           | 25 Fan + 25 CFL+1 TV or Submersible Pump 2 HP+6 Fan+15 CFL or 8 Fan + 8 CFL + 1 AC 1 Ton+ 1 TV or 2 Petrol Pump Nosel + 6 CFL         |        |             |        |             |         |                    |            | Upto 3000 W          |           |
| 8.                                                                   | 5250/96V                                                                                                                                                                                           | 25 Fan + 25 CFL+1 TV or Submersible Pump 2 HP+6 Fan+15 CFL or 8 Fan + 8 CFL + 1 AC 1 Ton+ 1 TV or 2 Petrol Pump Nosel + 6 CFL         |        |             |        |             |         |                    |            | Upto 6500 W          |           |
| 9.                                                                   | 6000/72V                                                                                                                                                                                           | 25 Fan + 25 CFL+1 TV or Submersible Pump 2 HP+6 Fan+15 CFL or 8 Fan + 8 CFL + 1 AC 1.5 Ton+ 1 TV or 2 Petrol Pump Nosel + 6 CFL       |        |             |        |             |         |                    |            | Upto 4500 W          |           |
| 10.                                                                  | 7500/96V                                                                                                                                                                                           | 5 Fan + 10 CFL + 10 LED Bulb 7W + 2 Room Cooler + 3 TV 32" + 2 AC 1.5 Ton                                                             |        |             |        |             |         |                    |            | Upto 6500 W          |           |
| 11.                                                                  | 10000/120V                                                                                                                                                                                         | 35 Fan + 36 CFL+3 TV or Submersible Pump 2 HP+ 10 Fan+25 CFL or 10 Fan + 10 CFL + 2 AC 1.5 Ton + 1 TV or 4 Petrol Pump Nosel + 10 CFL |        |             |        |             |         |                    |            | Upto 8000 W          |           |

\*conditions apply



## SOLWAVE

**MPPT BASED PCU | 1100VA - 15 KVA**

SOLWAVE MPPT based Solar PCU is a magnificent product of SERVOTECH fitted with premium quality components and technically advanced processor. The meaning of MPPT is "Maximum Power Point Tracking." SOLWAVE is an innovative Solar Hybrid inverter that gives you the joy of uninterrupted power supply backed by Servotech's impeccable solar panels. It's advanced technology makes it 30% extra efficient than normal PCU's. It is power packed with exciting features like LCD screen, advanced DSP controller, 4 levels of DOD levels, 10ms change over time, independent battery Charger, inbuilt UPS system etc. which makes it another jewel of Servotech's product portfolio.



Advanced Technology  
PCU Based On MPPT



Efficient by  
30%



Smart charging,  
even at 90V\* low voltage



Enable/disable grid charging  
for lower electricity billing



LED BULB



TULLU PUMP



JUICER MIXER



LAPTOP



LED TV



REFRIGERATOR



SUBMERSIBLE PUMP



FAN



TUBELIGHT



PETROL PUMP NOZZLE

| PRODUCT SPECIFICATIONS                                 |                                                                                                                          |                              |                              |             |                                    |                                    |                                                                  |
|--------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|------------------------------|------------------------------|-------------|------------------------------------|------------------------------------|------------------------------------------------------------------|
| MODEL NAME                                             | 1100VA/12V                                                                                                               | 2500VA/24V                   | 4000VA/48V                   | 5.2 KVA/48V | 7.5 KVA/96V                        | 10 KVA/120V                        | 15 KVA/240V                                                      |
| Mains Input mode                                       |                                                                                                                          |                              |                              |             |                                    |                                    |                                                                  |
| Mains Input AC Range UPS mode                          | 175VAC · 265VAC ± 10VAC                                                                                                  |                              |                              |             |                                    |                                    |                                                                  |
| Mains Input AC Range WUPS mode                         | 90VAC · 295VAC ± 10VAC                                                                                                   |                              |                              |             |                                    |                                    |                                                                  |
| Input Frequency Range                                  | 40Hz to 60Hz                                                                                                             |                              |                              |             |                                    |                                    |                                                                  |
| Battery                                                |                                                                                                                          |                              |                              |             |                                    |                                    |                                                                  |
| Boost charging voltage for LA Battery                  | 14V ± 0.2V                                                                                                               | 28V ± 0.2V                   | 56V ± 0.2V                   |             | 112V ± 0.4V                        | 140V ± 0.4V                        | 280V ± 0.4V                                                      |
| Boost charging voltage for Tubular and SMF Battery     | 14.5V ± 0.2V                                                                                                             | 29V ± 0.2V                   | 58V ± 0.2V                   |             | 116V ± 0.4V                        | 145V ± 0.4V                        | 290V ± 0.4V                                                      |
| Charging Current By Grid                               | 15A ± 3A                                                                                                                 |                              |                              |             |                                    |                                    | 5A · 15A ± 3A                                                    |
| Grid Charging Enable/Disable option                    | Yes                                                                                                                      |                              |                              |             |                                    |                                    |                                                                  |
| Backup Mode                                            |                                                                                                                          |                              |                              |             |                                    |                                    |                                                                  |
| Output voltage                                         | 220VAC + 5% -10% (until battery low alarm)                                                                               |                              |                              |             |                                    |                                    |                                                                  |
| Output frequency                                       | 50Hz ± 0.2 Hz                                                                                                            |                              |                              |             |                                    |                                    |                                                                  |
| Low Battery Cut                                        | 10.6V ± 0.2V                                                                                                             | 20.8V ± 0.2V                 | 42.4V ± 0.4V                 |             | 83.2V ± 0.4V                       | 104V ± 0.4V                        | 210V ± 0.4V                                                      |
| Protections                                            |                                                                                                                          |                              |                              |             |                                    |                                    |                                                                  |
| Overload in backup mode                                | Available                                                                                                                |                              |                              |             |                                    |                                    |                                                                  |
| Short Circuit in Backup Mode                           | Available                                                                                                                |                              |                              |             |                                    |                                    |                                                                  |
| Short Circuit in Mains Mode                            | Available                                                                                                                |                              |                              |             |                                    |                                    |                                                                  |
| Reverse Battery                                        | Available                                                                                                                |                              |                              |             |                                    |                                    |                                                                  |
| Solar Charge Controller                                |                                                                                                                          |                              |                              |             |                                    |                                    |                                                                  |
| Solar Charge Controller type                           | MPPT                                                                                                                     |                              |                              |             |                                    |                                    |                                                                  |
| Maxi Panel wattage can be connected                    | 500 WATT                                                                                                                 | 1800 WATT                    | 3000 WATT                    |             | 6500 WATT                          | 8000 WATT                          | 15000 WATT                                                       |
| Maximum PV Voltage                                     | 50V                                                                                                                      | 85V                          | 120V                         |             | 250V                               | 350V                               | 600V                                                             |
| Maximum Battery current                                | 30 Amp.                                                                                                                  | 50 Amp.                      |                              |             |                                    |                                    |                                                                  |
| Efficiency                                             | > 93%                                                                                                                    |                              |                              |             |                                    |                                    |                                                                  |
| Reverse PV protection /current flow to PV              | Available                                                                                                                |                              |                              |             |                                    |                                    |                                                                  |
| Sharing of current when PV and Grid Both are available | If PV power is not sufficient enough to charge the battery, system will start sharing battery charging from PV and grid. |                              |                              |             |                                    |                                    |                                                                  |
| DOD definition(Depth of Discharge)                     | Mains will be connect when battery voltage reach at defined value of the battery voltage.                                |                              |                              |             |                                    |                                    |                                                                  |
| DOD (Depth of Discharge)                               | 20%- if batt. volt. is 12.5V                                                                                             | 20%- if batt. volt. is 25.0V | 20%- if batt. volt. is 50.0V |             | 20%- if batt. volt. is 100V ± 0.2V | 20%- if batt. volt. is 125V ± 0.2V | Grid Reconnect Can set 214V To 250V (10.7V To 12.5 per battery ) |
|                                                        | 30%- if batt. volt. is 12.0V                                                                                             | 30%- if batt. volt. is 24.0V | 30%- if batt. volt. is 48.0V |             | 30%- if batt. volt. is 96V ± 0.2V  | 30%- if batt. volt. is 120V ± 0.2V |                                                                  |
|                                                        | 40%- if batt. volt. is 11.5V                                                                                             | 40%- if batt. volt. is 23.0V | 40%- if batt. volt. is 46.0V |             | 40%- if batt. volt. is 92V ± 0.2V  | 40%- if batt. volt. is 115V ± 0.2V |                                                                  |
|                                                        | 50%- if batt. volt. is 11.0V                                                                                             | 50%- if batt. volt. is 22.0V | 50%- if batt. volt. is 44.0V |             | 50%- if batt. volt. is 88V ± 0.2V  | 50%- if batt. volt. is 110V ± 0.2V |                                                                  |
| Display and Alarms                                     |                                                                                                                          |                              |                              |             |                                    |                                    |                                                                  |
| LCD Fault / Protection Status Display                  | Mains Fuse Blown / MCB Trip, Short Circuit, Overload, Battery Low, High Temperature, Back feed                           |                              |                              |             |                                    |                                    |                                                                  |
| Buzzer                                                 | Mains Fuse Blown / MCB Trip, Short Circuit, Overload, Battery Low, High Temperature, Back feed                           |                              |                              |             |                                    |                                    |                                                                  |

| LOAD CHART* |                                                                                                                                                                          |                      |
|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| Model       | Load on Solar                                                                                                                                                            | Solar Panel Capacity |
| 1100VA      | 8 Fan + 10 CFL + 1 TV or 3 Fan + 6 CFL + 1 Refrigerator + 1 TV                                                                                                           | Upto 500 W           |
| 2500VA      | 14 Fan + 15 CFL + 1 TV or Submersible Pump 1 HP + 4 Fan + 5 CFL or 3 Fan+6 CFL+1 TV                                                                                      | Upto 1800 W          |
| 4 KVA       | 10 Fan + 20 CFL + 1 TV or Submersible Pump 1 HP + 6 Fan + 10 CFL or 5 Fan + 8 CFL + 1 TV or 1 Petrol Pump Nozzle                                                         | Upto 3000 W          |
| 5.2 KVA     | 25 Fan + 25 CFL + 1 TV or Submersible Pump 2 HP + 6 Fan + 15 CFL or 8 Fan + 8 CFL + 1 AC 1 Ton + 1 TV or 2 Petrol Pump Nozzle                                            | Upto 3000 W          |
| 7.5 KVA     | 5 Fan + 10 CFL + 10 LED Bulb 7W+ 2 Room Cooler+ 3 TV 32" + 2 AC 1.5 Ton                                                                                                  | Upto 6500 W          |
| 10 KVA      | 35 Fan + 36 CFL + 3 TV or Submersible Pump 2 HP + 10 Fan + 25 CFL or 10 Fan + 10 CFL + 2 AC 1.5 Ton + 1 TV or 4 Petrol Pump Nosel + 10 CFL                               | Upto 8000 W          |
| 15 KVA      | 60 Fan + 15 Computer + 60 CFL + 50 CCTV OR 3 HP Submersible + 20 Fan + 50 CFL or 20 Fan + 10 CFL + 3 AC 1.5 Ton + 5 TV or 20 CCTV + 5 TV + 5 Petrol Pump Nozzle + 50 CFL | Upto 15000 W         |

\*conditions apply

# INFLUX

**SOLAR PCU WITH LED | 700VA-2000VA**



The Influx Solar PCU, which incorporates German and Taiwanese technology, combines the operations of a solar inverter and a UPS, eliminating the need to maintain separate power backup systems for powering equipment and computers. With a 10ms switch time, triple protection, and high efficiency, Influx allows you to enjoy uninterrupted electricity even during extended power outages, reducing your reliance on the grid.



User settings for  
smart solar optimization



Extremely  
cost-effective



Capacity of solar panel  
from 300w to 2000w



LED display with  
user friendly options



LED BULB



TULLU PUMP



PC



LED TV



REFRIGERATOR



SUBMERSIBLE PUMP



FAN



CFL 15W

| PRODUCT SPECIFICATIONS                                 |                                                                                                                                                                                                    |             |                     |            |
|--------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|---------------------|------------|
| MODEL NAME                                             | 700VA/12V                                                                                                                                                                                          | 900VA/12V   | 1100VA/12V          | 2000VA/24V |
| MAINS MODE                                             |                                                                                                                                                                                                    |             |                     |            |
| Mains AC Input range (UPS mode)                        | 175VAC-265VAC ± 10VAC                                                                                                                                                                              |             |                     |            |
| Mains AC low cut recovery UPS mode                     | 185VAC ± 10VAC                                                                                                                                                                                     |             |                     |            |
| Mains AC high cut recovery UPS mode                    | 255VAC ± 10VAC                                                                                                                                                                                     |             |                     |            |
| Mains AC Input range (WUPS mode)                       | 90VAC-295VAC ± 10VAC                                                                                                                                                                               |             |                     |            |
| Mains AC low cut recovery WUPS mode                    | 110VAC ± 10VAC                                                                                                                                                                                     |             |                     |            |
| Mains AC high cut recovery WUPS mode                   | 285VAC ± 10VAC                                                                                                                                                                                     |             |                     |            |
| Input Frequency Range                                  | 40Hz to 60Hz                                                                                                                                                                                       |             |                     |            |
| Battery                                                |                                                                                                                                                                                                    |             |                     |            |
| DC input voltage                                       | 12V                                                                                                                                                                                                |             | 24V                 |            |
| Float Charging Voltage                                 | 13.7V ± 0.2V                                                                                                                                                                                       |             | 27.4V ± 0.2V        |            |
| Bulk absorption Voltage                                | 14.8V ± 0.2V                                                                                                                                                                                       |             | 29.6V ± 0.2V        |            |
| Boost charging Voltage for LA Battery                  | 14.0V ± 0.2V                                                                                                                                                                                       |             | 28.0V ± 0.3V        |            |
| Boost charging Voltage for TUB/SMF                     | 14.5V ± 0.2V                                                                                                                                                                                       |             | 28.8V ± 0.3V        |            |
| Battery deep Discharge Recovery                        | Yes (Independent Charger to Recover Deep Discharge Battery)                                                                                                                                        |             |                     |            |
| Charging Current at Grid/Battery Priority              | 15A ± 3A                                                                                                                                                                                           |             |                     |            |
| Backup Mode                                            |                                                                                                                                                                                                    |             |                     |            |
| Output voltage                                         | 220 VAC ± 10%                                                                                                                                                                                      |             |                     |            |
| Output Frequency                                       | 50Hz ± 0.2 Hz                                                                                                                                                                                      |             |                     |            |
| Output waveform                                        | Pure Sine Wave ≤ 5%THD                                                                                                                                                                             |             |                     |            |
| Low Battery Warning                                    | 10.8 ± 0.2V                                                                                                                                                                                        |             | 21.6V ± 0.2V        |            |
| Low Battery Cut                                        | 10.4 ± 0.2V                                                                                                                                                                                        |             | 20.8V ± 0.2V        |            |
| Change over time UPS /WUPS mode                        | < 10msec / < 25msec                                                                                                                                                                                |             |                     |            |
| Protections                                            |                                                                                                                                                                                                    |             |                     |            |
| Overload in Backup mode                                | Yes provided, system will indicate on display at 101% load                                                                                                                                         |             |                     |            |
| Short Circuit in Backup mode                           | System will shutdown after 3 - retries in case of output short circuit                                                                                                                             |             |                     |            |
| Short Circuit in Mains mode                            | Mains Fuse will blown                                                                                                                                                                              |             | Mains MCB will trip |            |
| Back Feed                                              | System will shutdown in case of back feed and there is no retry                                                                                                                                    |             |                     |            |
| Over temperature                                       | Yes provided, if heat sink temperature goes above 100°C System will shut down                                                                                                                      |             |                     |            |
| Reverse Battery                                        | DC fuse will blown                                                                                                                                                                                 |             |                     |            |
| Phase to Phase protection in mains mode                | Yes provided by electronic                                                                                                                                                                         |             |                     |            |
| Solar Charge Controller                                |                                                                                                                                                                                                    |             |                     |            |
| Solar Charge Controller type                           | PWM type                                                                                                                                                                                           |             |                     |            |
| Maxi Panel wattage can be connected                    | 600W                                                                                                                                                                                               |             | 1500W               |            |
| Maxi PV current                                        | 25A                                                                                                                                                                                                |             | 50A                 |            |
| Reverse PV protection /current flow to PV              | Available                                                                                                                                                                                          |             |                     |            |
| Sharing of current when PV and Grid Both are available | If PV power is not sufficient enough to charge the battery, system will start sharing battery charging from PV and grid.                                                                           |             |                     |            |
| Option for Grid and Battery priority                   | Yes, provided user can set priority for Battery or Grid Hence user set system in electricity bill saving                                                                                           |             |                     |            |
| Display and Alarms                                     |                                                                                                                                                                                                    |             |                     |            |
| LCD Status Display                                     | Mains ON, Input -Voltage/Frequency, Battery -Voltage/Charging/Charged, Charging Current, PV Voltage/current Backup Mode, UPS- ON/OFF, Load %, Output -Voltage/ Frequency and all protections etc., |             |                     |            |
| Weight and Dimensions                                  |                                                                                                                                                                                                    |             |                     |            |
| Dimensions in mm                                       | 301x297x160                                                                                                                                                                                        | 355x355x190 | 425x315x335         |            |
| Weight                                                 | 8.2 Kg                                                                                                                                                                                             | 8.5 Kg      | 9.5 Kg              | 16 Kg      |

| LOAD CHART*           |       |   |       |   |        |   |        |   |
|-----------------------|-------|---|-------|---|--------|---|--------|---|
| PRODUCTS              | 700VA |   | 900VA |   | 1100VA |   | 2000VA |   |
| OPTIONS               | A     | B | A     | B | A      | B | A      | B |
| LED TV 32"            | -     | 1 | -     | 1 | -      | 1 | -      | 2 |
| CFL 15W               | 4     | 2 | 5     | 4 | 6      | 6 | 3      | 4 |
| Computer              | 1     | - | 1     | - | 1      | - | -      | - |
| Fan                   | 1     | 2 | 3     | 4 | 4      | 2 | 2      | 3 |
| LED Bulb 7W           | 3     | 4 | 5     | 5 | 6      | 7 | 3      | 5 |
| Refrigerator 165 Ltr. | -     | - | -     | - | -      | - | -      | 1 |
| Water Pump 1HP        | -     | - | -     | - | -      | - | 1      | - |

\*conditions apply

# SERVPORT

ServPort is a standard plug-n-play grid interactive photovoltaic system having a system size of 2kWp with battery storage designed for 100% self-consumption. Servotech is amongst the exclusive providers of this technology in India, to be mass produced for residential applications (UPS and AC load). The electrical storage will vary in capacity depending upon the application - ranging from 1 kWh lead-acid to 4.8 kWh Li-ion.



**Toughened Structure**



**Smart Space Utilization**



**Portable**



**Efficient Electronics**



**Suited for all Indian Weathers**



**Easy to Install**

# MICROINVERTER

Servotech Microinverters empower you with the ability to control your home's energy needs with great savings and top-notch safety considerations.

Servotech microinverters are ideal for private homes, villas, schools, and other locations where safety is a priority, as they meet industry-leading safety standards.



## High quality

Higher efficiency  
IoT system

## Safety

No high-voltage DC  
LFP chemistry<sup>1</sup>

## Flexibility

Modular design  
AC marketplace

## Exceptional value

Grid independence  
AC module

## Supply chain efficiency

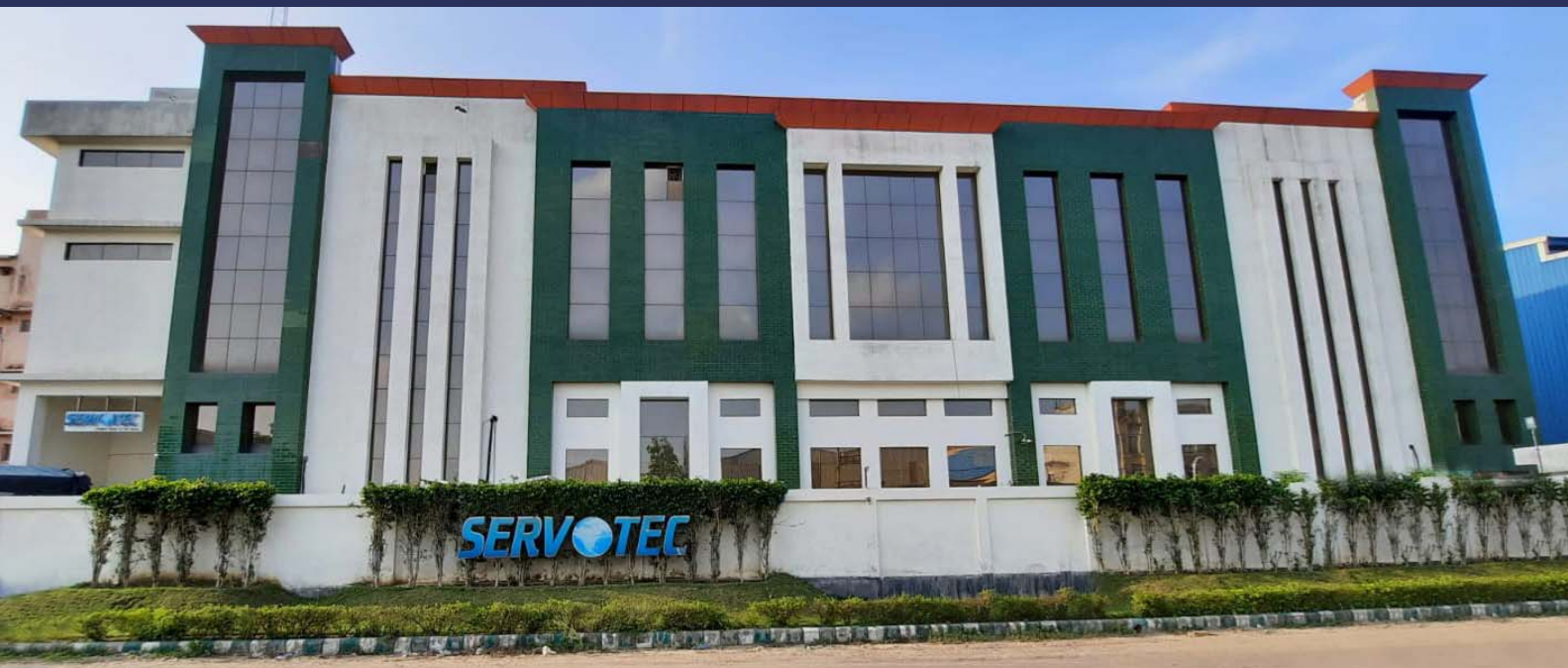
One hardware platform  
Configurable SKUs

## Low cost

Power scaling  
Semiconductor integration

## Great customer experience

One-stop-shop



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