



# ZED *Envi*

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# Change, that's Energy- Efficient Driven



# Parameters for Selection

- That they bring Quality of Life to Cities and Rural India
- . . . are affordable.
- . . . enhance Energy / Water Security for the long term
- . . . empower individuals with solutions **not** project-based
- . . . rewrite the way energy is generated or used with DC modes
- ... Key **game-changers** being power electronics and Nano



# ZED Products

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# ZED SPLIT AC



- High EER rated. 350W. 5-Amp socket. No stabilizer.
- 1 hertz inverter, built-in de-humidifier. Built-in Ionizer for cleaner air.
- Silent operation.
- Full remote with auto devices for Timer, Temp Control with microprocessor.



# ZED PORTABLE AC

## Replacement of inefficient water coolers

1. Self-evaporative system. Saves energy.
2. Water-cooled mode. Enhances cooling efficiency and cooling speed.
3. Low noise, powerful cooling and strong air-flow.
4. Fully portable model.
5. Omni-directional wind blows. Auto swing.
6. No drip drain. No condensate water.
7. Full remote with auto devices for Timer, Temp Control with microprocessor.





## ZED TOWER AC micro inverter-based

- High EER rated. 750W. Plug on 5 Amp socket. Needs no stabilizer.
- Built-in de-humidifier. Built-in Ionizer for cleaner air.
- Silent operation. Multi-filter.
- Low on Maintenance.
- Full remote with auto devices for Timer, Temp Control with microprocessor.



A5 (原7GB) 铝标牌



# ZED FAN



- Solar-powered, DC inverter-base fans with zero elecenergy.
- Consumes only 20 W with DC Power Inverter and solar pane





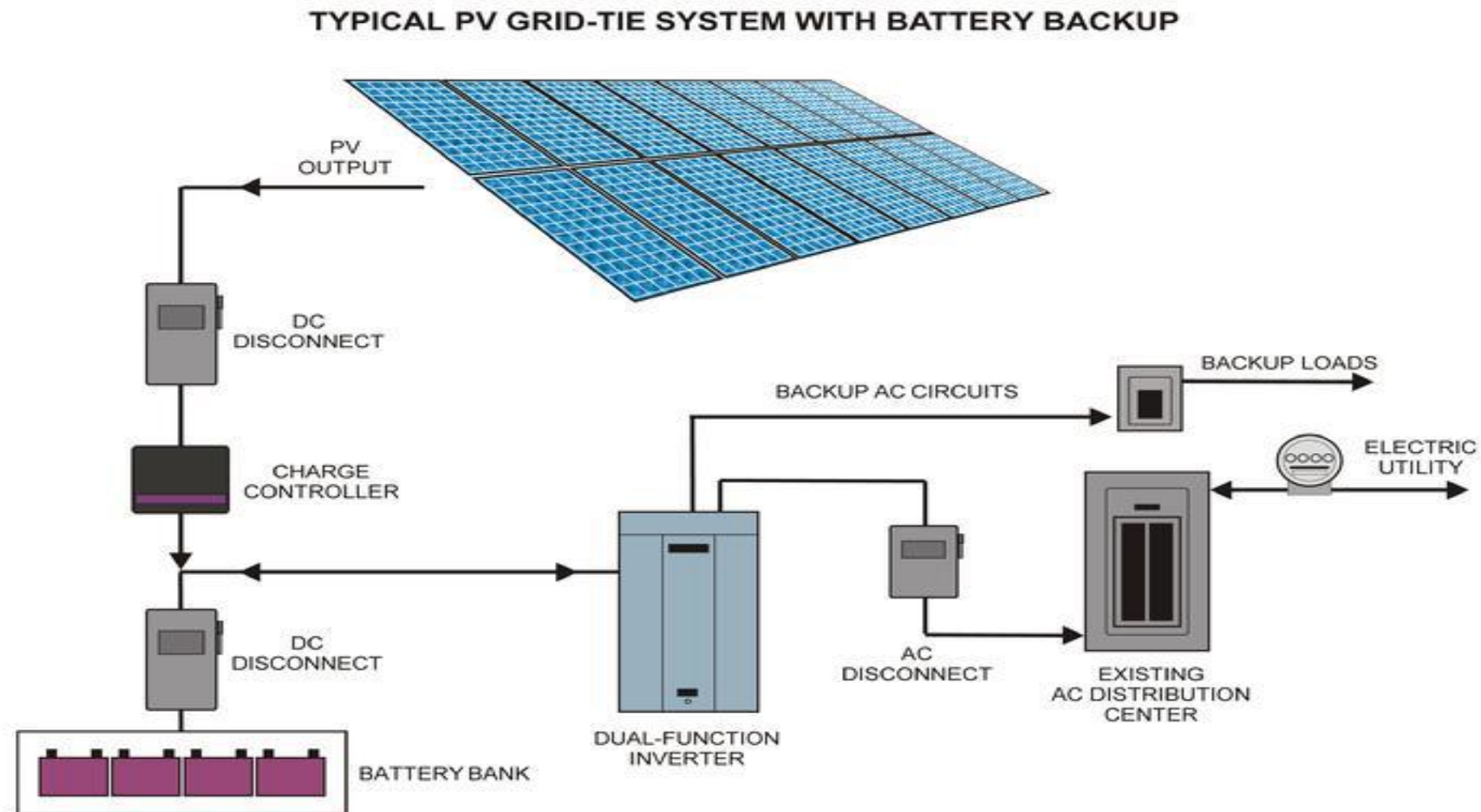
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# ZED Win-Sol Home Power System



This is a 2KW + 2KW grid-tied system that relies 20% on external power grid.

The grid-tied has four components: one vertical wind mass of 2 Kw at 2.5m/sec , 2KW photovoltaic , 3 KW biodiesel genset. The Tie-in will ensure that grid use is also available. The system has a minimum of 2 hours autonomy with no batteries.



# ZED GEYSER

## Induction heater based

- 1) Hot water system with Induction heater – 600 w
- 2) Ferro magnetic heating element replacing conventional ni-chrome coil
- 3) ABS enclosed with PU foam Insulation
- 4) Resistance proof for Hard water





# ZED LARDER

- 1) Larder with 121L-235L capacity
- 2) Energy use 125 W.
- 3) Refrigerant R209a
- 4) Temperature range 4 deg C to 14 deg C
- 5) Direct Cooling.
- 6) Solar and DC inverter options for Primary Health Care Centre for IV Salines, and life-saving vaccines and drugs.





# ZED Weather Station

Weather data from stand alone base station

- 1) Weather history data with user-friendly data-logging
- 2) Weather alarm modes for:
  - Temperature;
  - Humidity ;
  - Wind chill
  - Dew point;
  - Rainfall ;
  - Wind speed
  - Air pressure;
  - Storm warning
- 4) Predict Rainfall with greater accuracy







# WATER

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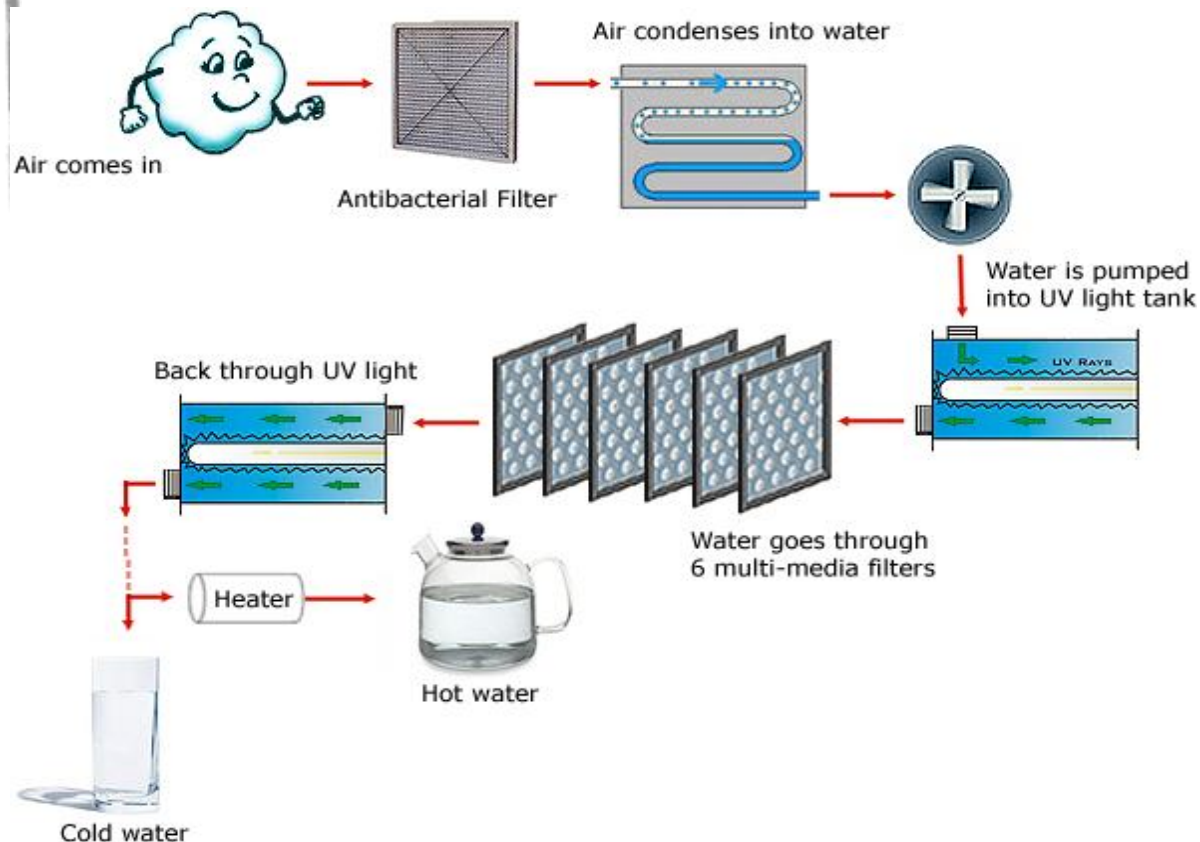
# ZED MAGIC WATER

Atmospheric water generator.

Converts water vapour into potable water.

Produces pure drinking water out of thin air.

The system extracts, filters, treats and purifies water, all from the air we breathe.



- Low voltage 5-amp appliance. No stabilizer needed.
- 300 W running energy use.
- Environment friendly clean water generation unit.
- Plug and Play model. Extremely user-friendly
- Clean and Pure water free from impurities.
- From 30 ltrs, 500 ltrs and 1000 ltrs per day for hotels, hospitals, and communities.
- Silent and trouble-free.
- Low-Energy consumption
- Solar options with DC inverter available



## ZED JAL

Revolutionary Personal Water Filter designed to instantly filter water on the go ***from virtually any water source.***

Filters 700 liters of water. Enough for one person for one year.

Needs a simple hose-wash of filter once every 700 liters.





## ZED JAL

- Removes minimum 99.9999% of waterborne bacteria.
- Removes minimum 99.9% of waterborne protozoan parasites.
- Reduces turbidity by filtering particles of approximately 0.2 microns
- Contains no chemicals
- Requires no electrical power, batteries or replacement parts





## ZED TAAZA



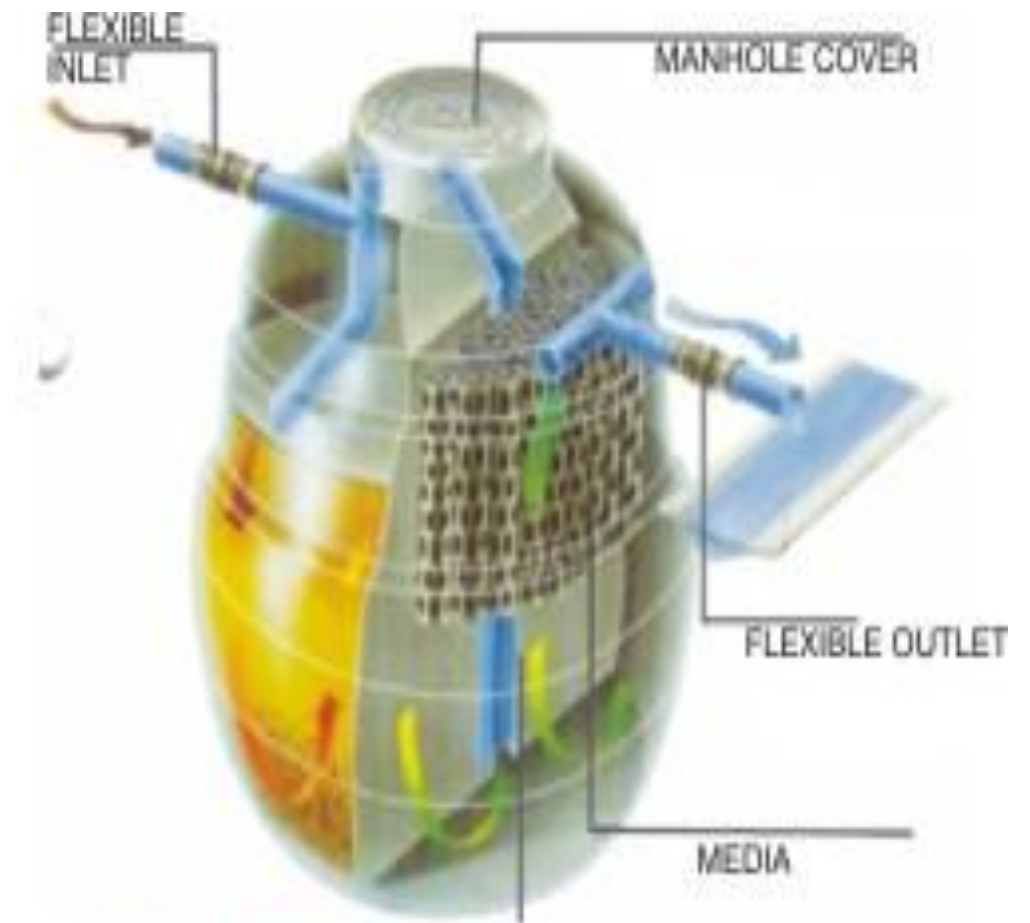
Converts 80 liters of salt water to 20 liters of fresh, potable water. Makes water naturally for a pure clean taste. Distilled water from the store or from electric distillers relies on boiling water, which leaves the water with a flat taste. The Zed distilled water does not acquire the "flat" taste of commercially distilled water since the water is not boiled. The Zed Distiller uses a natural process.



## ZED 1KLD STP

100% eco-friendly sewage treatment plant ideal for homes.

Rust-proof, leak-proof  
300W power need per KLD  
Treated water can be used for gardens, flush tanks.



Flexible - In & Outlet



Pall Ring Media



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# ZED- Hybrid SOLAR AC

This is a room air-conditioner that is low on energy consumption and works on solar PV power with option to work on conventional power too.





# ZED Micro INVERTER-BASED Compressor



This is a revolutionary model of air-conditioning compressor. It is set to work at 1 hertz

Works on a 5 amp mode with 48 watts as input power and requires a stabilizer.







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# ZED HELIX WIND MAST

Vertical wind mast.

Generates electricity using wind power and charges your UPS system.

It adds to existing power supply.





# ZED VERTICAL WIND MAST

- Clean and Green Energy generation
- Plug and Play model. Extremely easy to operate.
- Reduced power bills
- Silent operation
- Freedom from power outages.
- Available in 1 and 2 KW models.
- Ideal for Individual villas / Farm house / Hotels / Hospitals





# ZED XTRA-LONG BATTERIES



Extra large capacities for power storage with ability to scale up power needs by raising electrolyte supply when needed. Makes them useful in applications where batteries must be stored for long periods of time with little maintenance while maintaining a ready state.

Suited for wind or solar power hybrids. Their extremely rapid response times also make them well suited to large power storage needed for community housing type applications.

They can be used to replace lead acid battery banks in buildings or communities. Generates and delivers large power volume to cope with large surges in demand [against trickle loads delivered by battery units].





# ZED HOME POWER

Offers an environment friendly, compact, electricity generating unit, using active fuel sources of Hydrogen and Ethanol.





# ZED HOME POWER

## Fuel cells



- These are solid oxide fuel cells.
- Work without a Reactor and Reformer.
- Water vapour is the only output in generation process.
- Plug and Play model, with simple design that takes in an external H bottle and converts to electricity via electrolysis
- Low installation costs.
- Silent operation
- Zero emission
- No moving parts, hence reduced friction losses and maintenance costs.
- 1 kw to 50 kw models available.
- Compact and trouble-free operation.
- Ideal for Individual houses / Apartment blocks / Hotels / Hospitals





# ZED- Bio diesel Generator 3 KW

This generator works on Bio-diesel as operating fuel  
the system will combust ionise any organic bio fuels without additional oxidisers.  
Ideal for rural areas with Jathropa and pongamia plantations.

Low voltage protection  
High voltage protection  
Low frequency protection  
Low voltage protection of the battery console.





# AGRO BUSINESS





# Zed-zyme -- Bio Growth Enhancer

This is a combination of amino acids and trace elements delivered to plants through the stomata of the leaf.

Helps deliver nutrients throughout the plant at source, to help better growth and wellness of plant.

Stems become stronger, colors become more vivid.

Reduces the amount of water needed to 45-200% depending on soil, rainfall, crop pattern, humidity, etc.

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# Zed-Spread



- Silica strands cut into nano form and blended with organic polymer
- Reduces surface tension of a spectrum of liquids with application in fertilizers, paints for automobiles and buildings
- Reduces harsh fertilizer usage and reduces toxicity of soil and therefore agri produce
- Delivers pesticides and micro nutrients in plants and soils better



# ZED *Arbo*



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**ZED *Arbo*** is a division of Biodiversity Conservation India.