

ALTERNATIVE ENERGY SOLUTIONS





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About Us

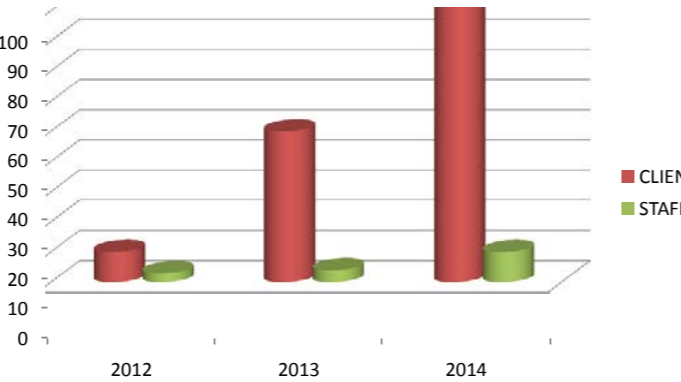
Power Trust is a privately owned company, established in 2011 to serve the needs of the growing energy sector by supplying appropriate products and services that are green environment focused.

Our network of reputable international manufacturers ensures that the products and services offered to the community are of the best performance quality standards.

Honesty, trust and expertise have won us a good reputation across the region as a contractor of choice for solar energy solutions and Electrical engineering by designing and installing domestic or commercial solar system and offering reliable electrical engineering solutions. We have a technical team to provide the desired quality of service, whatever the size of the project.

Our service levels are second to none this is evident by both repeat businesses and referrals we have had since the inception of the company.

The figure below shows the total annual volume of clients that the company has worked for since 2011. The figure also indicate our staff turn over.



Vision

To be the leading providers of clean energy solutions in East and Central Africa.

Mission

We provide innovative and affordable clean energy Solutions relevant to our clients' needs with the highest professional standards.

Quality
Integrity
Team work
Environmental protection

The above core values highlight Power Trust's corporate culture and guide our conduct and decision making within the firm. Power trust is strongly committed to getting the job done right the first time with optimum resources.

Being ethical, the firm aims at creating long term relationships with clients by consistently delivering the right products at the right time and at the right cost.

We do what we know and say what we mean. We are open to scrutiny, offer free professional advice to our customers and never claim ownership of ideas

Why Power Trust?

'Your satisfaction is our priority'

Growth

Our Products

“We live in special times, the environment is sounding an alarm, the world is looking towards other renewable energy sources, the international outcry is raising consciousness, yet the answer is right before us! Should we still be searching for it, yet we have free sunshine through out the year?

Solar water heaters are not a luxury, they are a part of today and the future we promise our children.”

Tony Ssimbwa
C.E.O - Power Trust Uganda Ltd

Solar Water Heaters

A reliable and convenient source of water heating for both domestic and commercial use. Power Trust is proud to be the Sole distributor of SOLE EUROSTAR solar water heaters in Uganda, a product that has been on market since 1970 with a guaranteed performance quality, durability and user friendliness.

SOLE EUROSTAR SOLAR WATER HEATERS comprise of a cylindrical tank with a mild steel external casing, with high temperature oven coating for maximum protection from rain, sun and sea air, ensuring durability and an elegant appearance. And a collector which is made of specially designed extruded aluminum profile powder coated without any external connections, rock wool 50kg/m3 to maintain high temperatures. We stock different sizes of solar water heaters ranging from: 300Ltrs, 200Ltrs, 120Ltrs, 100Ltrs and 80Ltrs.



CANCER INSTITUTE COMPLEX - Mulago
(Project designed, installed and serviced by Power Trust)

Scope of Work:
Designing, Supply of Equipment
and Installation of:
Solar Pannels
Major Solar PV systems
Solar Water Heating Systems
Surge and Spike Protection
Power Conditioning/Stabilization
and Voltage Transient Protection



Features: SOLE EUROSTAR SOLAR WATER HEATERS

Come with two distinguished features namely; the direct and indirect water heating systems.

Direct Solar Water Heating System

This system is deigned to heat the water directly (utility water is heated directly in the collector tunnels)

Indirect Solar Water Heating System

This system should be used where water is corrosive or hard. They use a heat exchange method with glycol to heat water.



At Power Trust we believe that you deserve the best service and at your convenience, that is why we have assembled **a team of well trained and experienced technicians** to offer expert advice and service as and when you need Solar water heaters for your homes, hospitals, hotels, apartments, schools etc.

We do site surveys, supply and installation of Solar water heaters in any location, **to us no place is so remote that we can not reach.**

Applications:

- Domestic water heating needs
- Swimming pool water heating
- Industrial water heating for Hotels
- Hospitals
- Schools
- The system can be ground mounted or roof mounted
- (Either coupled or split, depending on the customers needs).
- A worthy investment, compared to main grid electric power heating:
- 2-3 year money back depending on size of installation.
- Expected life span - 20 years.
- Environmentally friendly.
- Very low maintenance cost.
- Durable and reliable.
- It saves Electricity bills by 65%

Solar Panels (Solar Photovoltaic System)

Solar photovoltaic system commonly known as solar power, offers the best alternative energy source that is environmentally sustainable, clean and reliable for domestic and commercial use.

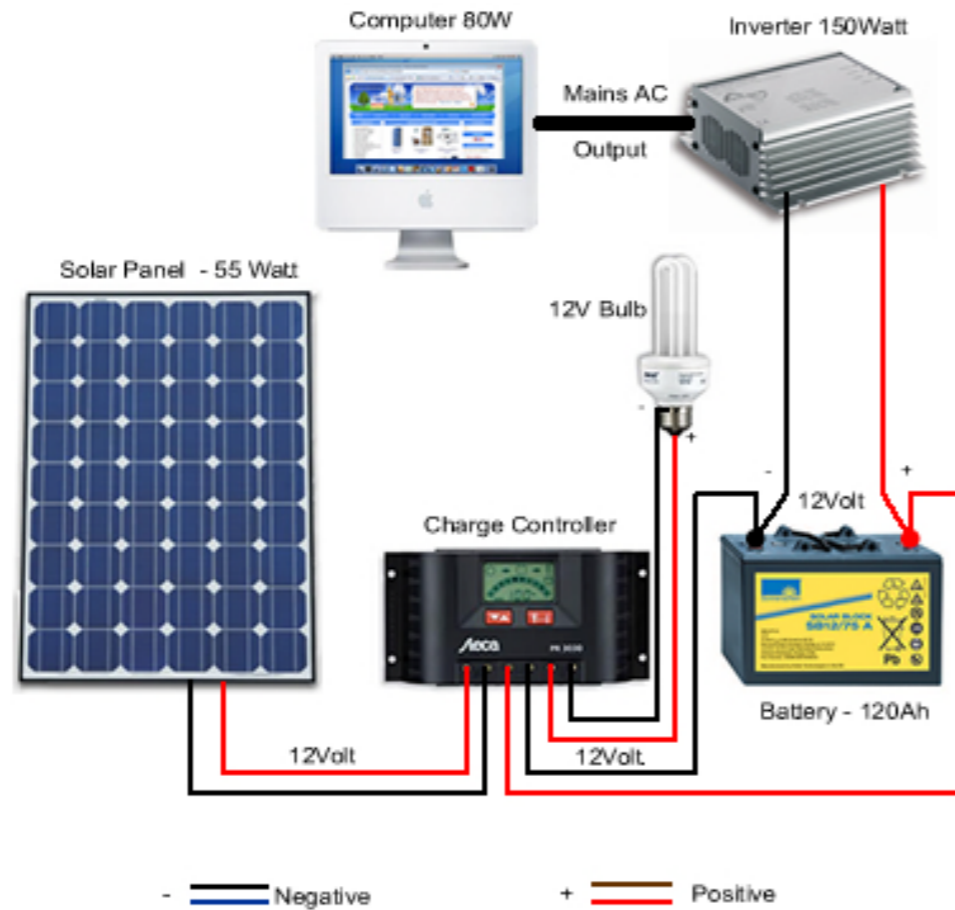
Have you ever thought about how best you can have uninterrupted power to your home, business premises or project site in a remote village, without having to worry about the monthly bills?

Power Trust is here to give long term solution to your alternative energy needs. With our connection to the best manufacturers in the industry . We help you get value for money service.



Features:

A solar system comprises of solar panels, inverter, battery and charge controller (Solar system are sized according to your energy needs).



Functions:

The solar panel collects energy (solar). The inverter inverts the energy into direct current (A.C) which is then stored in a battery bank. A charge controller is used to control the units of energy output.

PROJECT NAME:
MAHAGI CATHOLIC DIOCESE

PROJECT LOCATION: DEMOCRATIC
REPUBLIC OF CONGO.

Scope of Work:
Designing
Supply of equipment
Installation of: Solar 5kw systems

Solar PV installation
by Power Trust team

PROJECT NAME:
ARIWARA HOSPITAL
PROJECT LOCATION: DEMOCRATIC
REPUBLIC OF CONGO

Scope of Work:
Designing, supply of equipment
and Installation of:
Major solar PV systems
Solar water heating systems
Surge and spike protection
Power conditioning/stabilization
Voltage transient protection

Wind Turbines

A clean energy source

Wind Turbines offer one of the best alternative energy sources for rural and urban communities alike. They are very easy to set up and save you the cost of maintenance.

Power Trust's Wind Turbine Project in Namayingo District, Funded by The Ministry of Energy and Mineral Development, 2014.

Solar Street Lighting/ Security Lights

Power Trust is promoting a cost effective and sustainable solution to street lighting/ security lighting ideal for both rural and urban areas. Easy to install and reliable even under severe weather conditions. You shall not require regular maintenance, dig up trenches or connect to long lines of cable .

Recent street light project undertaken by Power Trust team: Wakivule Farm Luwero District.

Urban authorities and individuals in need of proper security lighting for:

- Urban street lighting
- Highway security lighting
- Government facilities in remote areas
- Construction sites
- Perimeter fence lighting
- Surveillance camera lighting
- Parks
- NGO operations bases in remote areas
- Military installations
- Parking Lots
- University grounds
- School premises
- Hospitals

LED Lighting

Power Trust is a leader in LED lighting solutions, the product range include: LED Bulbs (both warm and cold), LED Tubes, Solar Lanterns, LED Spot Lihgts LED Flood Lights.

Save on UMEME bills



LED TUBE LIGHTS



LED GLOBAL BULB



LED SPOT LIGHT



LED PANEL LIGHTS



LED SOLAR STREET LIGHTS

Power Backup Systems

We are well aware that you always face the problem of load shedding and this puts your work to a stand still, hence leading to uncompensated losses.

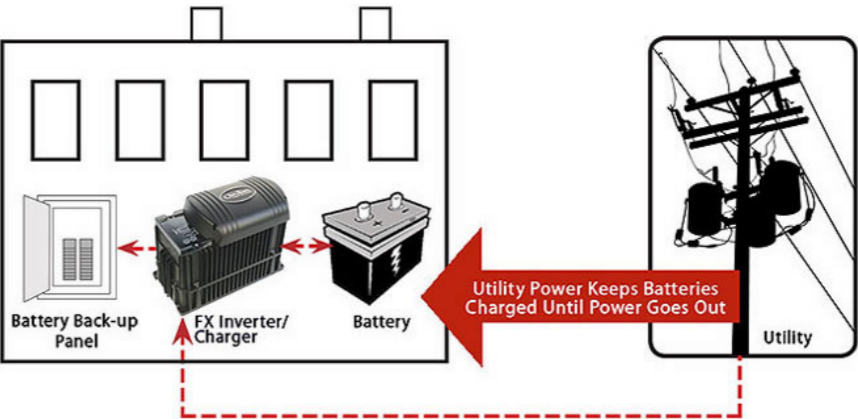
As Power Trust Uganda Limited, we bring you good news about power back up systems. We design and install power back up systems to help you live life uninterrupted.

Features:

This system comprises of an inverter charger and battery bank (the size of an inverter depends on your need).

Functions:

The inverter charger charges the battery when the grid is on. During time of load shedding, the backup system automatically turns itself on to provide you with the much needed power to run your work uninterrupted.



Electrical Installations

Power Trust prides itself in providing professional electrical services with a major focus on energy efficiency. We also advise our clients on the most energy efficient equipment which enables the client to receive total product satisfaction, as well as save on their electrical bills.

We design and install both Domestic and Commercial, environmentally friendly electrical installations.

'Save **50%**
on your
electrical bills'





OUT BACK POWER SYSTEM

Power Trust represents, Outback Power systems Inc. from USA. Known for the first and only sealed True Pure Sine wave inverter / chargers, Outback Power systems make what are probably the most rugged inverters that produce Ultra clean power. Put 10 inverters together to provide a massive 30,000 Watt inverter charger system.

Outback Power systems has a high Surge capability, Intelligent Battery Charging to ensure longer life is extremely quiet and fully automatic.

www.outbackpower.com



VICTRON ENERGY

Power Trust represents Victron Energy from Holland which enjoys an unrivalled reputation for technical innovation, reliability and quality. It is a world leader in the supply of self-supporting electric power. Our Products are designed to meet the most demanding situations.

Our products include Sine Wave Inverters / Chargers, and Battery Chargers, DC/AC Converters, Transfer Switches, batteries and complete network solutions.

www.victronenergy.com



KEMAPOWER ELECTRONICS COMPANY LIMITED is a leading manufacturer and trader of electronics and electrical equipment.

We specialize in manufacturing and supplying: UPS, Power inverter, Battery, Battery charger, solar power system, wind generator, Solar street lamp kit, AC voltage regulator, and other electrical power products.

We are a company with ISO certificate and all of our products are designed and produced in accordance with ISO rules.

PAI KANE GENSETS

Power Trust is the dealer for Pai Kane Gensets in Uganda. Pai Kane is one of the leading Genset Manufacturer having 25 years of experience in Genset Line having presence in more than 40 plus countries world wide. We joined hands with them because of the major key reasons such as Quality, Support, International Brands, Warranty Support, etc.

They have complete Range of Diesel Gensets starting from 5KVA to 2250KVA with international engine brands like : Perkins, Volvo Penta, Doosan, Yanmar, Deutz, Escorts, Volvo Eicher. For Alternators, they are associated with Stamford / Meccalte / Leroysoner and controller with Deep Sea. Quality and Reliability are the key strength.

The Gensets are compact in size and the canopies are processed through 11 tank pre-treatment before powder coating. The Powder Coating plant is fully automatic and there by reducing the manual intervention. This leads to highly elegant & reliable quality and finish on the canopies.

Beside Gensets, they also deal in various products such as Panels, Compact Sub Station, Mobile Lighting Towers, Voltage Stabilizers, etc. They have presence in 40 plus countries and has international exposure. It's a ISO14001 Certified organization. Beside quality they are also environment & social concious company having certification such as OHSAS 18001:2007.



Pai Kane products are designed to meet the ever growing demands of the industry for clear and efficient power, offering high performance, dependability and reliability while meeting the increasing stringent requirements of the market. Comprehensive, Value-Engineered, Power solutions coupled with process oriented skilled workforce have a one-point agenda "Customer Delight". For us Customer delight is our commitment, nothing else matters.

ISO Certification, long term relationships with our value partners and satisfied customers, all confirm the fact that we deliver optimal solutions through technical sophistication and robust construction along with maximum safety.



Power backup installation at **Ariwara Hospital** - DRC

198L SOLAR DISPLAY FRIDGES

- 1) Charged by solar panel directly during the day(it has two routes of current, one charges fridge, one charges inside battery)
- During the day, solar panels charge the fridge directly without going through the battery, which increases the lifespan of battery, and also make the battery backup time comes longer)
- 2) Charged by 24V50A lithium ion battery inside(lithium ion battery which has good performace and can last at least 5 years)
- 3) Charged by grid power(it has an 28V10A AC to DC adapter)
- 4) Charged by solar power systems with 24V DC output
- 5) Built-in MPPT controller so that solar panel works more efficiently
- 6) 24V inverter compressor, the most efficient refrigeration technology, low consumption
- 7) Time control & temperature control, less consumption
- 8) R134a refrigerant, environmental.
- 9) CE certification, market globally
- 10) Battery backup time is more than 24hours



**The consumption of the fridge
is less than 0.7KWH daily
while the battery capacity is
24V*50AH/1.3=923WH.**

**There is no need to use any other
accessory to charge the fridges.**



OTHER
PRODUCTS,
ACCESSORIES
AND SERVICES

Products

- Charge controllers
- Solar Batteries
- AVS
- Stabilizers
- Off grid inverters

Services

- Maintenance of Solar systems
- Maintaining and servicing generators
- Solar water heater maintenance
- Designing solar systems for both domestic and commercial use

Conservation is a state of harmony
between men and land.
- Aldo Leopold

REFERENCES

PROJECT NAME	CLIENT	YEAR	LOCATION	DESCRIPTION OF THE WORK DONE	TOTAL/UGX
SOLAR POWER INSTALLATION IN CHILDRENS HOME	Fountain Of Peace Foudation	2016	Kyenjojo	Redesigning and installation of solar 12000 watts solar system	156,000,000
SOLAR WATER INSTALLATION AND IMPROVEMENT	Silver Springs Hotel Bugolobi	2016	Bugolobi	Maintainance and instal-lation of 42 solar water heater systems	70,000,000
SOLAR WATER HEAT-ER DESIGN AND INSTALLATION	Elliana Holdings Ntinda Kigoowa	2016	Ntinda Ki-goowa	Designing and installation of 16 solar water heaters	76,000,000
14 KVA GENERATOR INSTALLATION	Maternal Child -USAID	2016	Ministers Vil-lage -Ntinda	Installation of 14 kva generator	47,000,000
DESIGN SUPPLY AND INSTALLATION OF SOLAR SYSTEMS	Australlian Hope International	2016	Kamwenge-Fortportal	Design and installation of solar syetems	25,000,000
SUPPLY OF SOLAR SYSTEMS AND SO-LAR WATER HEATERS	Assorted Domestic Homes	2016	Around The Country	Design and installation of solar systems	350,000,000
SOLAR STREET LIGHTING IN KYAKA SETTLEMENT	Nsamizi Teach-ers Training In-sititute –Mpigi/ UNHCR	2015	Kyaka Refuge Settelement Camp	Supply , installation and repair of solar street lighting	25,000,000
SOLAR SYSTEMS SUPPLY	UNDP -Kampala	2015	Undp-Kampala	Supply of pre-designed solar panels	37,000,000
SOLAR SYSTEM FOR ARIWARA HOSPITAL	Ariwara Hospital	2015	Ariwara, Congo	Supply and Installation of a standalone solar system	280,000,000

REFERENCES

PROJECT NAME	CLIENT	YEAR	LOCATION	DESCRIPTION OF THE WORK DONE	TOTAL/UGX
SOLAR SYSTEM FOR CARITAS OFFICES	Caritas Congo	2015	Mahagi Congo	Supply and Installation of a standalone solar system	100,000,000
SOLAR SYSTEM FOR MAHAGI DIOCESE	Mahagi Catholic Church Diocese	2015	Mahagi Congo	Supply and installation of a standalone solar system as well as its maintenance	55,000,000
DOMESTIC INDIVIDUAL SOLAR WORKS	Private	2015	Various places around Uganda	Supply, installation and maintenance of various individual solar lighting, water heating and backup systems	200,000,000
INSTALLATION OF DEMONSTRATION, WIND ENERGY SYSTEMS	Ministry Of Energy and Mineral Development	2014	Various places around lake Victoria and Karamoja	Supply and Installation of Wind turbines and lighting systems	256,000,000
SOLAR WORKS AT LOVING ONE BY ONE	Loving one by one Ministries	2014	Kiwenda-Gayaza	Supply and installation of a hybrid wind and solar energy system with its maintenance	35,000,000
SOLAR WORKS FOR THE NEW LABORATORY	Ministry of Agriculture	2013	Entebbe	Supply and installation of a backup solar system, supply and installation of a solar water heating system	100,000,000



REFERENCES

PROJECT NAME	CLIENT	YEAR	LOCATION	DESCRIPTION OF THE WORK DONE	TOTAL/UGX
SOLAR WORKS ON VARIOUS COUNTIES AND SUB-COUNTY HEADQUARTERS IN NORTHERN UGANDA	The Government of Uganda	2012	Northern Uganda	Installation of solar lighting stand alone systems	30,000,000
SOLAR WORKS AT THE CANCER INSTITUTE	Pioneer Plumb	2012	Mulago Hospital	Supply and installation of Solar water heating Systems	30,000,000
SOLAR WORKS AT NOB VIEW HOTEL	Management Nob View Hotel	2011	Nob View Hotel Ntinda	Supply and Installation of solar water heating system, Replacement of ordinary energy saving bulbs with low wattage LED bulbs	7,500,000
WORKS AT UNGA MILLERS LTD	Management of UNGA Millers Ltd	2011	Ntinda Industrial Area	Supply and Installation of a power back up system	5,500,000
SOLAR WORKS FOR VARIOUS HOSPITALS IN WESTERN UGANDA	The Uganda National Expanded Program on immunization	2011	Western Uganda	Installation and maintenance of Solar fridges	40,000,000



A power back up system
could save a life

A person who cares
about the earth
will resonate with its purity.
- Sally Fox

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