



RENEWABLE ENERGY

SOLAR ENERGY SYSTEM

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100% RENEWABLE ENERGY
The Solar - Power Specialists
www.aaa-bc.com



ROOYA SOLAR ENERGY SYSTEM



RENEWABLE ENERGY FOR GREEN FUTURE

The sun is an incredible and renewable resource that has the power to fuel life on earth and provide clean, sustainable energy to all of its inhabitants.

The cost of electricity around the world has increased over the last few years more dramatically than ever before in history, and the current industry trends do not show any slowdown, or reversal, in these price growth trends. Therefore, through electric cost savings over the lifetime in a world that is increasingly concerned with cleaner, greener, more ecologically homes and businesses.

SAVE MORE MONEY ON SOLAR ENERGY

1. Reduce energy costs through power credits when connected to the utility grid
2. Contribution to a cleaner environment and sustainable world
3. Add value to the property
4. Reduce energy transmission losses. photovoltaic systems help stabilize the power grid
5. Solar panel life span exceeding 25 - 30 years and requires minimal maintenance
6. Reduce or even eliminate electricity bills
7. Protection against rising electricity prices

ABOUT Us

Proudly show your commitment to the environment by getting all your electricity from renewable energy. You'll also be helping build more renewables in Oregon.

Rooya Solar Energy System & Component Trading was founded between a big group of skilled engineers and qualified electricians. This competent family was put together by a talented AAABC group-Ardh Alamalqa building contracting L.L.C who has an international expertise for both managerial and construction staff.

As a complement to Ardh Al Amalqah building contracting company it's one of the prestigious and qualified organizations in the field of contracting. It has also been classified as an outstanding construction company ensuring completion of the job and quality service for the satisfaction of valued customers.

AAABC deals in the design and build of turnkey industrial, civil and solar projects i.e. factories, warehouses, cold stores, labor camps, offices, residential buildings, etc. It has proven its ability to provide fast Service and construction solutions such as sending their experts and well-equipped team anywhere and whenever the client needs it all over the region.

Rooya Solar Energy System - RSES

Is a solution provider company in the U.A.E. We provide a wide range of professional services for residential, commercial and industrial markets. such as RCC roof, warehouses roofs, solar car parking ground-mount and BIPV areas in order to allow the business owners to monetize the unused assets and bring their electricity bills to the minimum, our services include Electrical, PV Installations, Energy Efficiency Measures, Backup Emergency Generators, and Energy Audits.

Our solar electrification projects provide an effective and renewable energy source that meets the highest safety and design specifications. So our approach to take a solar system from the initial design all the way through the installation and interconnection. As we have engineering and technical resources, and know-how and experience to help clients achieve success with their solar integration and solar energy projects.



Our Team

ROOYA team of highly qualified professionals with training in electronic, electrical, plumbing and architectural engineering with a great wealth of experience with innovative renewable energy products and solutions in the micro-generation of clean and sustainable power. We are also a committed team of talented individuals offering our customers a totally new way to go green.

As a dedicated renewable energy integrator our focus is always on providing the high level of service to ensure that a quality solution is chosen to fit our customer's needs and budget. Our consultants are trained to offer the best compromise between the best solutions that fit our customer's needs, always ensuring the best benefits that come with quick returns of investment.

We believe in a world in which renewable energy plays a role in every aspect of our lives. That is why along this long journey to make renewable energy the standard source for electric and thermal power, we assist you with switching to a more sustainable life-style, and educational experience.

Mission

Our mission providing customer with state of the art PV module application system with a competitive price and high quality product with addition outstanding technical support and customer service.

Vision

Maintain a cutting-edge technology based on green energy international standard product, that reached 30 years warranty and outstanding technical support.

Strategy

Satisfy client by offering wide range of product and services committed to delivering clean energy solution to maintain unique position in the market



Solar Energy Our Future

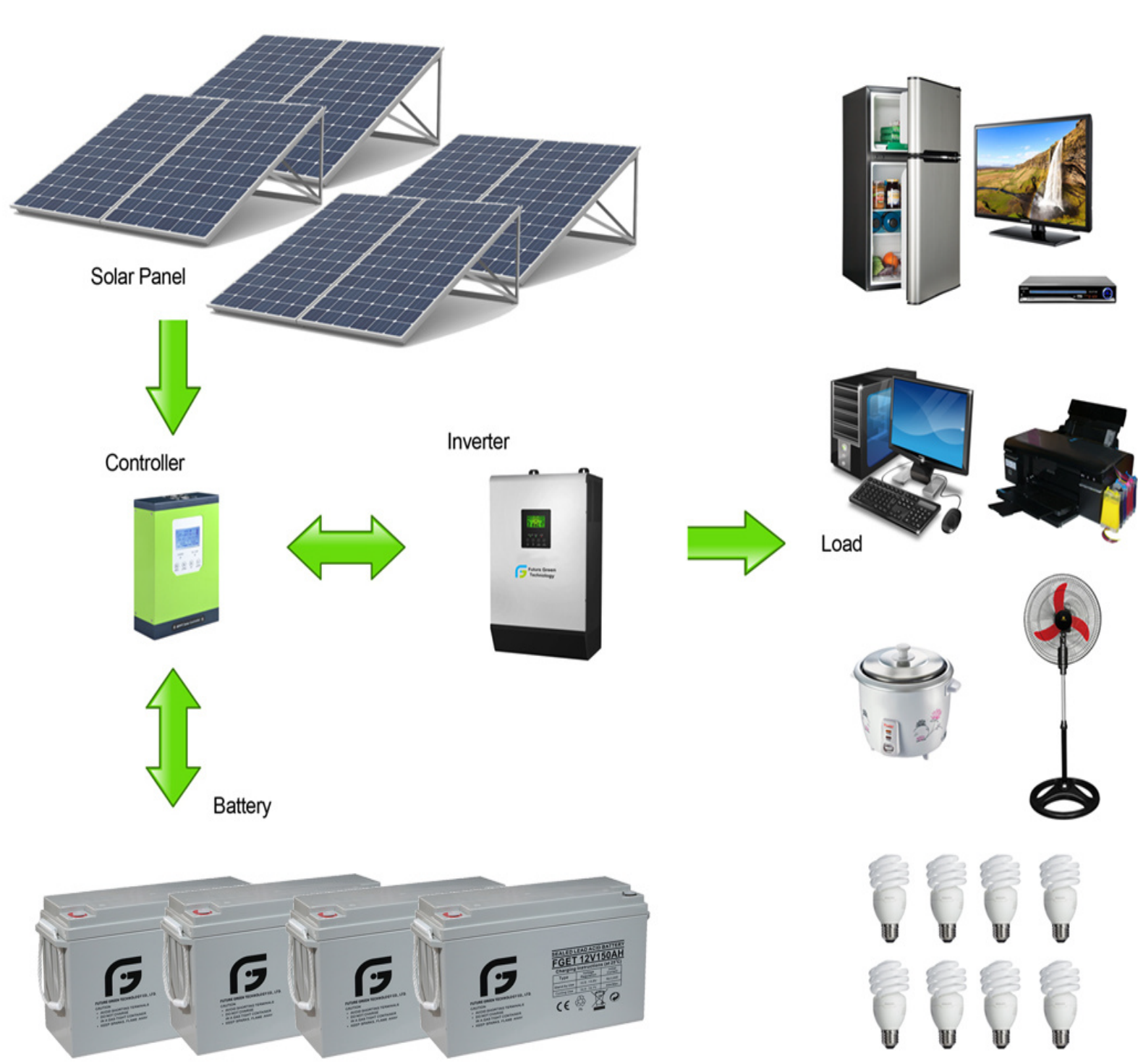
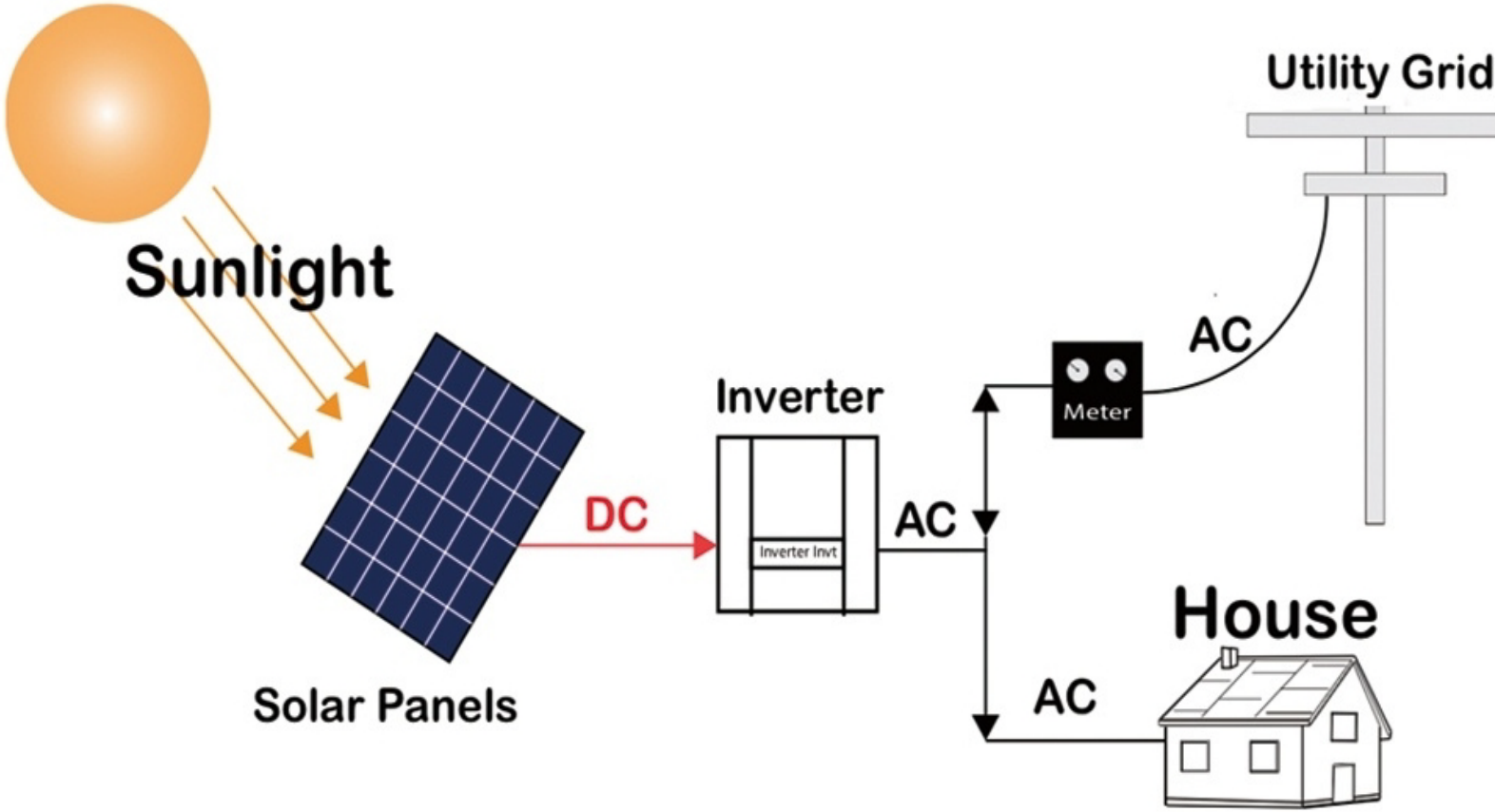
Products

Solar PV Application system

- Solar Panels
- Inverters
- Batteries
- EV Charger
- Solar Charger Controller
- Solar Water Heating
- Solar Air Conditioner
- Solar pumps (submersible solar pumps, surface solar pumps, pool solar pumps)
- Solar Fan-Kit-TV
- Solar Lighting, Emergency Light, Garden Light, Landscape Light, Led Street Light, Motion Wall Light, Plaza Light, Step Light, Underground Light,LED Flood Light

Mounting System

- Canopy Mounting Structure
- Car Park Mounting Structure
- Flat Rooftop Mounting Structure
- Ground Mounting Structure
- Pitch Steel Roof Mounting Structure
- Pitched Tile Roof Mounting Structure



On-Grid Solar System

With grid-tied renewable energy systems, there is no absolute need to conserve electricity or change your lifestyle. Your system will offset some or all of your usage, and your daily life can continue unchanged.

On a grid-tied system with battery backup, you can have the independence and backup of a stand-alone system, still be able to use at least some energy during utility outages.

For all these system types, investing in a PV system also means locking in the long-term pricing of your electricity. With a photovoltaic system, you are buying 40 to 50 years of electricity at a fixed price, while maintaining the benefits of being on grid.

- Complete system design / installation
- Solar panels on-grid inverter
- Accessories (cables, c.b -mc4 connectors)

Solar array, on grid inverter, Energy meter, Ac distribution box, Household appliance, Monitoring system, Public grid

Off-Grid Solar System

An off-grid system is not connected to the electricity grid and therefore requires battery storage. Off-grid solar systems must be designed appropriately so that they will generate enough power throughout the year and have enough battery capacity to meet the home's requirements, even in the depths of winter when there is generally much less sunlight.

These kind of solar systems ensure power at all times ,OFF-Grid Solar systems are self-sustainable systems which do not rely on the grid which are ideal for remote areas where no access for grid producing enough power that can be used for future needs therefor no grid failure affects the power supply.

- Solar panels
- Off -grid inverter
- Solar charge controller
- Battery bank
- Accessories (cables, c.b -mc4 connectors)

Application

1. On-Grid Solar System
2. Off-Grid Solar System
3. Solar car parking (carport)
4. EV Charging System
5. Solar System O&M Services
6. Solar Irrigation
7. Solar Street Light

In Addition, We export Solar Panels, Inverters & EV Chargers all across the Middle East



Street Light

Solar Street Light systems are an efficient means to provide lighting without the need for standard utility power in some cases. Our Solar Street Lights are designed to provide sufficient lighting for streets, parking lanes, parks and other areas that require to be lited.

Solar LED Street Lights are very high-performance lights that operate in automatic mode. The lights automatically turn ON in the evening and turn OFF in the morning by detecting sunlight. solar Lighting can be deployed anywhere anytime. With the latest in solar power integration, extreme environment energy storage system and adaptive control our solar There are no electricity mains required and therefore running costs, no long tangled wires or plugging issues. solar light requires a low energy level and offers long lifespan, making them the low maintenance outdoor lighting option.

Irrigation Solutions

Solar irrigation solutions, produce no emissions, generate no noise. Solar power for irrigation is more reliable than wind power while being significantly cheaper and cleaner than diesel power. Solar pumps complement the design of drip irrigation systems, delivering water precisely and efficiently to individual plants. Very high volumes of water for large-scale irrigation can also be supported through a wide range of pump sizes and vertical lifts.

Solar irrigation solutions are a very attractive alternative to diesel-powered pumping and support sustainable agriculture. What we offer: complete system design and installation including (Pump, Solar panels, pump Accessories (Cables - C.B - MC4 Connectors-.....



Solar System (carport) solution

RSES provide car parking structure, custom steel structure or install roof for fixing solar PV panels in UAE Middle East including design approvals, fabrication and installation, Structure parking shades can be fabricated in singly cantilever or on both sides.

The most common application of these shades are car roof top, walkways, garden canopy, and pool shades .

Smart EV Charging System

Our Smart EV Charger is the most cutting-edge smart charger available for wall and column installation. It is compact in size, exquisite in appearance, and easy to install. Thanks to its user-friendly APP, it is easy for users to charge independently and economically. It's surely the best choice for passenger vehicle owners to charge their vehicles by taking the advantage of the time of use tariff and PV system.



SERVICES

Site Assessment

Site visit to determine if projects facility has the potential for a solar power system. From the data we collect, we will prepare a proposal that summarizes the project includes project cost and financial rate of return, energy output and the impact on our client business's electric bill, and construction time line, as well as other specifics of the client system.



Design

Using information from our site assessment visits, our team experienced electrical and structural engineers will design a solar electric system tailored to the client project size, layout, and all other specific needs. We will create a detailed plan to ensure trouble-free installation and providing multiple system options to choose from.



Experienced Electrical and Structural Engineers

Installation

Installation of any solar photovoltaic system be performed by experienced, licensed, and certified professionals. The project management and installation team at Solar have the technical skills and experience to make certain that the installation goes smoothly and the system is working to optimum capacity.



Incentives, Permitting, and Inspection



Our team focuses on making solar installation system as easy and possible. As we handle all of the local, state, incentive application paperwork, process all paperwork for utility and local permitting, and schedule all building, electrical, and utility inspections. Immediately following inspections, and providing all the results.

Follow-Up



When the job is complete, our team will hand-deliver our client the customer care package, This includes record drawings, warranties, product information, instructions, and maintenance manuals.



Maintenance of any solar system project is mostly a matter of keeping the solar panels free of excess dirt and debris, which means it will provide years of hassle-free service. Nevertheless, our service department is always on call to help keep your solar power system in top

Monitoring System



RSES all in one smart energy management & monitor application provides all the data you need for smarter, simpler management.