



SAAB RDS

TECHNOLOGY ENABLER

SOLAR POWER SYSTEMS

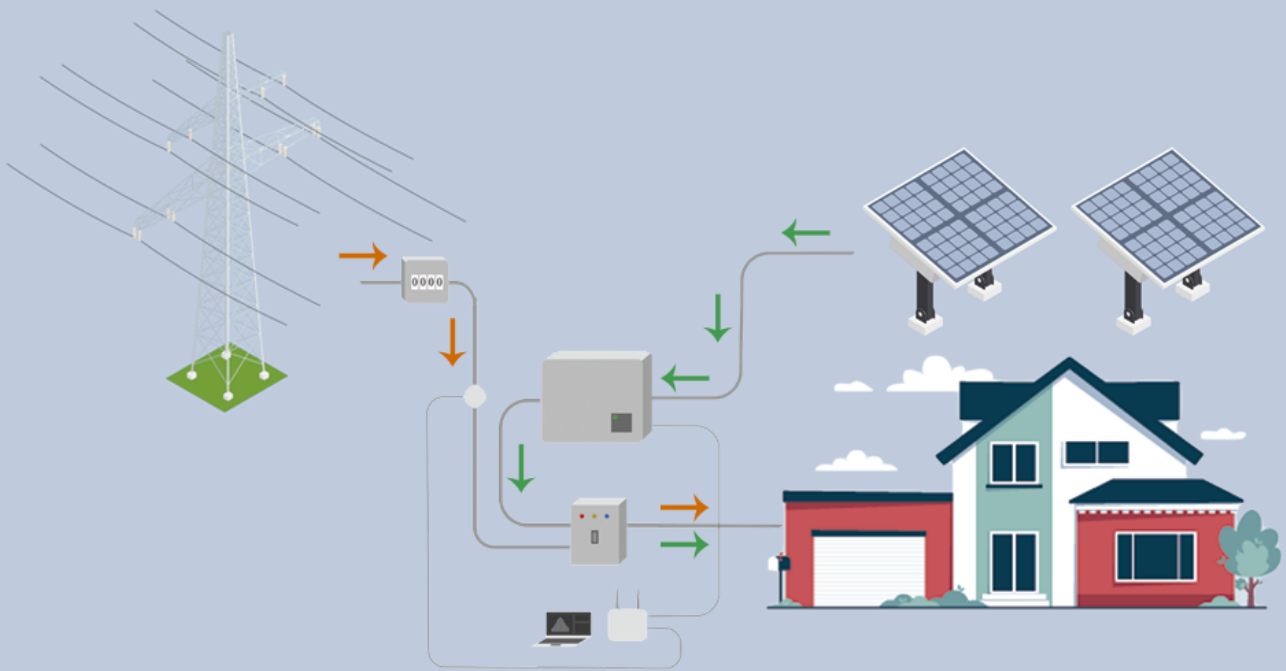
WHO ARE WE

We are an unconventional technology advisory and solution provider formed by industry professionals and certified energy experts, and we provide customized and high quality engineering solutions in energy efficiency and renewable energies.

Our solution methodology is highly differentiated, customer-defined, vendor agnostic, and value driven.

GET CONTROL OVER YOUR ELECTRICITY BILL

Save over 40% on electricity with a minimum investment



The power grid is not reliable and with the ever increasing diesel prices many individuals and businesses need to find an alternative solution to get reliable electricity at the lowest possible cost. Solar power and fuel saving solutions are the best answer to this need.

From the most basic residential use to the most sophisticated industrial systems, SAAB RDS will help you achieve your energy goals.



WHY CHOOSE SOLAR?



Quick return on investment.



Fiscal benefits in some countries.



Reduced electricity bill and operating costs.



Commitment on sustainability.



Energy cost stability: get rid of the generator subscription.



Easy to maintain: virtually no day-to-day maintenance.

WHY CHOOSE US?

We don't just sell solar systems components, we guide you along the way, starting with an assessment of your real needs based on your current bills, energy security and load profiles. We deliver systems that work.

- Engineering design customized based on each project needs with optimized solar system efficiency. No money is wasted.
- Commercial-Off-the-Shelf (COTS) technologies from Tier 1 electronics manufacturers for all the components of our systems.
- Dedicated team for after sales support (warranty and on call to support client at any time).
- International technical team with high experience level ready to support.

WHAT MAKES US DIFFERENT?



ENERGY EVALUATION

Reduced electricity bill and operating costs.



FLEXIBILITY

Your system is designed to be flexible enough to adjust to your changing needs.



SYSTEM CUSTOMIZATION

Your system is designed to cover your actual needs. You will be able to choose from different options according to your needs, budget, and current situation.

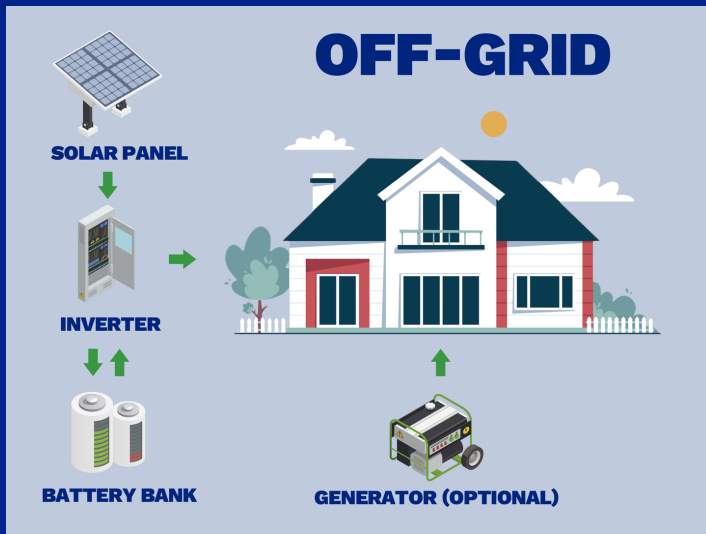


LOCAL SUPPORT

We remain close to you through the whole process and after your system is up and running to support you to your maximum satisfaction.

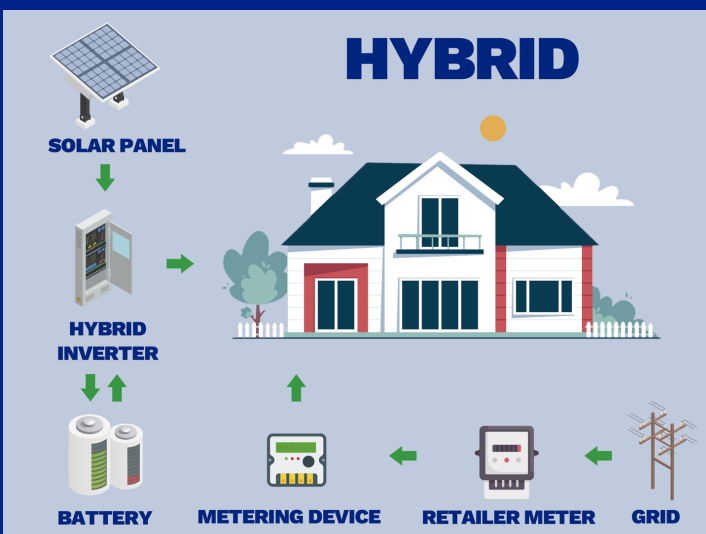
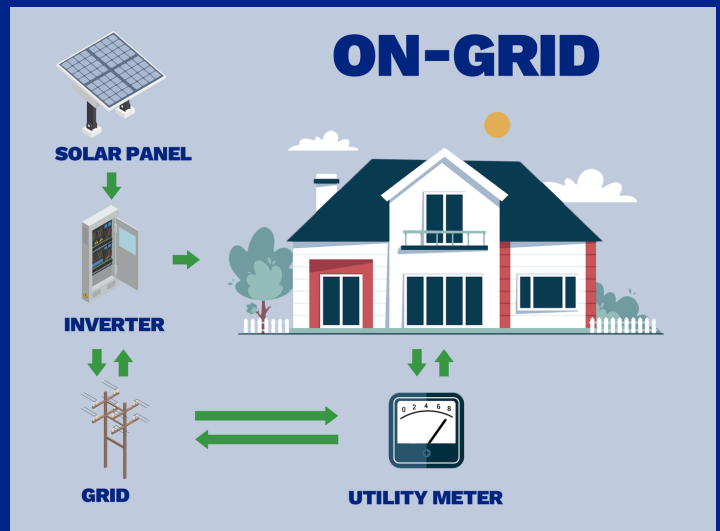


ON GRID, OFF GRID AND HYBRID SYSTEMS



- Works without grid.
- No savings on electricity bill.
- Provides energy independence similar to an uninterruptible power supply (UPS).

- Does not operate without grid.
- Reduced energy bill or fuel consumption.



- Operates with or without grid.
- Reduced energy bill and fuel consumption.



SYSTEM SPECIFICATIONS

- A full range of highly efficient products.
- Upgradable with up to 16 units paralleled and three-phase application without additional accessory.

Brands	Deye and Growatt.
Phases	Single Phase or Three phases
Warranty	25 years panels, 5 years inverters, up to 10 years batteries
Certifications	Applicable IEC, EN, CE grid, EMC and safety regulations
Capacity	3.6/5/7.6/8/10/12 KW
Remote Management	Yes, all systems are provided with WiFi modules and are remotely managed
Maintenance	Standard panel cleaning, batteries are maintenance free
Installation	Professional wiring, labeling, and as built design drawings provided for easier traceability and debugging.

BATTERIES COMPARISON CHART

	Lithium	Gel-Tubular Battery	Traditional Gel Batteries
Upfront Investment	High	Low	Low
Cost of Ownership	Low	Medium	High
Warranty	20 years	5 years	3 years
Technology	Mainstream	Mainstream	Mature
Depth of Charge	80%	50%	50%
Lyfe Cycle	>6000	2130 (at 50% DOD) 3287 (at 30% DOD)	1422 (at 80% DOD) 2218 (at 30% DOD)
Maintenance	Maintenance Free	Maintenance Free	Regular Maintenance Needed
Charge Time	Ultra Fast	Slow	Slow
BMS	Built in	NA	NA
Charging Capacity Affected By Temperature	NO	Yes	Yes
Upgradable at time	Yes	NO	NO
Recommended Using Temperature	10°C~°C55	15°C~°C25	15°C~°C25



SOLAR POWER SYSTEMS FOR RESIDENTIAL USE



We will design a system based on your exact needs. Just tell us what are your electricity consumption needs. This table shows some of the options available.

	Residential Use			
System size (A)	Economic	Premium	Delux	Super Delux
Required m ²	8m ²	16m ²	21m ²	32m ²
Effective Amps	5A	10A	20A	30A
System Autonomy	Up to 18Hrs			
Inverter	3kW Off Grid	3kW Off Grid	5kW Off Grid	8kW Hybrid
Maximum Load (A)	13A	13A	22A	36A
540W Monocrystalline Panels	3	6	8	12
4.8kW 48v GSL Lithium Battery	1	2	3	5
Appliances	Fridge x 1 TV x 1 Led light x 5 Router x 1 Computer x 1 Fan x 2	Fridge x 1 TV x 1 Led light x 5 Router x 1 Computer x 1 Fan x 2 AC x 1 Water pump x 1	Fridge x 1 TVx 1 Led light x 10 Router x 1 Computer x 1 Fan x 2 AC x 1 Water pump x 1 Microwave x 1 Pressure Pump x 1 Water Heater x 1 Washing machine x 1	Fridge x 1 TV x 1 Led light x 15 Router x 1 Computer x 1 Fan x 2 AC x 2 Water pump x 1 Microwave x 1 Pressure Pump x 1 Water Heater x 1 Washing machine x 1 Drying Machine x 1 Iron Machine x 1
Starting Price \$	\$3,000	\$5,000	\$9,000	\$14,000

*Prices are indicative only and are subject to change without notice. Please contact us to request an official quotation and delivery details.



SOLAR SYSTEMS FOR COMMERCIAL / INDUSTRIAL USE



NO UPFRONT INVESTMENT

With no upfront capital costs and significant environmental benefits, we provide businesses with innovative ways to capture the power of the sun. A capital-free solution to energy savings.

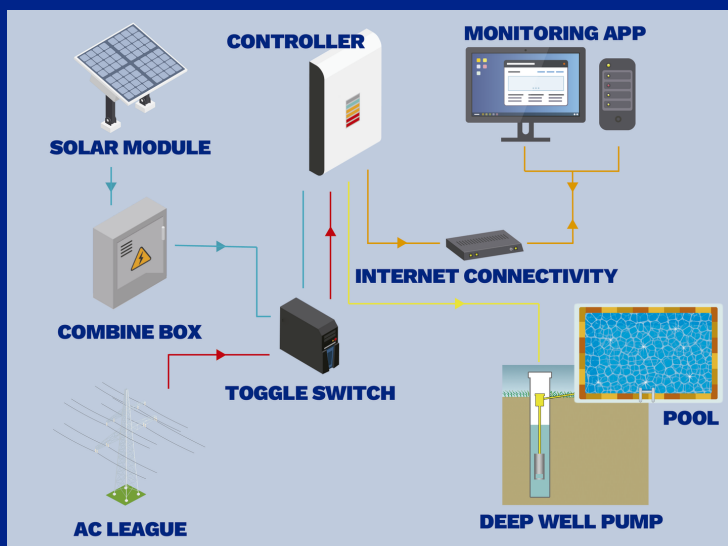
Our customized solar solutions can be installed with no upfront costs, putting clean, renewable energy in your hands, and no money out of your pocket. By partnering with SAAB RDS, you can be confident in working with an energy industry leader. And since we are providing the capital investment, you realize energy savings immediately.

In addition, we'll take care of all the complexities surrounding licensing, installation, and ongoing maintenance. You simply sign a Power Purchase Agreement with pre-defined rates to purchase all the energy produced by the system. We take care of the rest.

Working with us, you gain all the benefits of clean, renewable energy, including:

- Lower energy costs and increased efficiency
- No installation or maintenance costs
- Pricing stability with pre-defined rates for the life of your contract

SOLAR PUMPING SYSTEM



- 2.2 kw single phase to 110 kw three phase.
- Stand-alone system, no need for batteries.



CONTACT US

CHARLES AL RAHI

Sales Director & BDM

DANY CHOUEIRY

Senior Sales Consultant

HUSSEIN EL SAMRA

Project Engineer

DARINA ZOGHEIB

Commercial Manager

 Residential and distribution: +961 81 512 746

 Commercial: +961 81 551584 / +961 76 393747 /
+961 81 512 746

 Technical support: +961 81 551 498



www.saabrds.com



energy@saabrds.com



SAAB RDS
TECHNOLOGY ENABLER