



## The Bright Alternative



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**At Trisun Energies**, we are dedicated to powering a brighter, sustainable future. As a trusted leader in solar energy, we take pride in offering innovative solutions that meet your unique needs.

Thank you for choosing Trisun Energies —  
The Bright Alternative.



# WELCOME

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## PROLOGUE

Trisun Energies stands as a prominent and preeminent private energy provider in Pakistan, earning a distinguished reputation as a leader in the energy sector since its inception in September 2017. With a firm commitment to excellence, Trisun Energies is a registered entity with both the Pakistan Engineering Council (PEC) and the Alternative Energy Development Board (AEDB), establishing its credibility and proficiency in Net Metering.

At the helm of Trisun Energies is a dedicated team of energy experts, solar power technologists, and skilled mechanical technicians. Our presence spans across the nation's major cities, where we diligently offer our services. Our portfolio boasts an impressive record of over 300+ successfully executed solar system installations, including a multitude of large-scale commercial and industrial setups across diverse regions and cities.

Embodying an active role in Pakistan's power landscape, Trisun Energies is unwavering in its commitment to delivering optimal services to our esteemed clients. With a long-standing and proven engagement in the solar product market, we have fostered robust partnerships with renowned brands. This interrelation with industry leaders has solidified our position as a dependable and trustworthy entity, consistently upholding the highest standards in service and quality.

## OUR CORE TEAM



### **ABDUL QAYUM BAWANI**

#### **Chief Executive Officer**

The CEO of our company is a dedicated entrepreneur focused on fostering a greener Pakistan and empowering youth. Through renewable energy initiatives, they drive employment growth while championing sustainability. With a deep passion for sustainability and renewable energy, the CEO has successfully established our company as a leader in the field of solar power

### **ZAID BAWANI**

#### **Executive Director**

Being a business graduate, he keeps on exploring innovative ideas. His passion for a sustainable and green Pakistan along with an urge to solve power blackout issues brought him to this business. His versatile skills and forward thinking approach have been instrumental in Trisun energies growth & success.



### **MUHAMMAD SHOAIB**

#### **Managing Director**

Since Trisun energies inception, he has been a driving force in its success by taking on dual roles as a marketing strategist and managing director. Despite his educational background as a financial analyst and accountant, Mr Shoaib has played a pivotal role in shaping company's trajectory.







- Global development of renewable energy
- Pioneer a sustainable energy revolution in Pakistan
- We aspire to transform the country's energy landscape by providing innovative and reliable solar solutions that empower communities, drive economic growth, and contribute to a cleaner, greener future



## OUR MISSION

- Our service streamlines clean energy procurement with standardized data and information. Our service provides the best global information that you need to procure clean energy.



## OUR VISION

- **Build a Nationwide Network:** Develop an extensive network of dealers and distributors spanning across the nation.
- **Create a Decentralized Smart Grid:** Construct an intelligent and globally accessible solar power and energy storage grid that operates through online platforms, ensuring widespread accessibility and seamless administration.
- **Forge Strategic Collaborations:** Foster key partnerships with financial institutions, vendors, and technology providers to drive innovation, enhance offerings, and expand our impact.



## ETHICAL CONDUCTS

# PEC LICENSE

Initial Date of Registration in PEC: Nov 08, 2021




Serial No. **530799**

PEC-11

Scan QR code to view details.

**PAKISTAN ENGINEERING COUNCIL**  
Licence No: **76669** Category: **C6** Validity: **30 June, 2026**

**LICENCE OF PAKISTANI CONSTRUCTOR/OPERATOR**  
(Under the bye-laws of Pakistan Engineering Council 1987)

The firm will bid individually and not in competition with M/s TRISUN ENERGIES (C6/75535) & M/s ENERGY VISION (C5/12271) for the same project.

This is to certify that M/s **TRISUN ENERGIES PRIVATE LIMITED** (Licencee), with its registered office at **OFFICE NO. 49-50,, MOIN ARCADE, SARMAD ROAD, NEAR PASSPORT OFFICE, KARACHI** have been licenced under Construction and Operation of Engineering Works Bye-laws 1987, until the validity date to construct/operate engineering works, the construction/capital cost of which does not exceed Rs. **25 (TWENTY FIVE) million** provided the licensee fulfils all the qualification requirements prescribed by Client or Employer for a particular engineering work; and subject to the licensee continuing to fulfill all the requirements of the bye-laws.

Field of Specialization **EE01 - EE02 - EE03 - EE04 - EE06 - EE07 - EE08 - EE10 - EE11**  
(Solar Energy system) - **EE11 (General Electrical Works Only) - (TEN ONLY)** (Specialization Code Nos. for detail see overleaf)

**Date of Issue: Jul 19, 2022**  
(Karachi)



  
**Registrar**  
Pakistan Engineering Council,  
Islamabad.

**Note:**

1. If a firm does not get renewal of its license within a year after expiry of its license, the firm may be renewed after payment of outstanding fee if entire defaulting period plus surcharge at the rate of 5% of defaulting fee amount, or as prescribed from time to time.
2. The employer must ensure employment of engineers whose names are mentioned on backside of the licence. The Consulting Engineer (the Engineer Incharge in case the consultant is not appointed) shall monitor the number of engineers employed by the Constructor/Operator and inform the Council accordingly.
3. Owner(s) of the firm shall be held responsible, if any information, document or paper submitted by him/them is found incorrect or forged.

2  
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# AEDB/PPIB CERTIFICATE



**GOVERNMENT OF PAKISTAN**  
**MINISTRY OF ENERGY (POWER DIVISION)**  
**PRIVATE POWER & INFRASTRUCTURE BOARD (PPIB)**

## Certificate of Enlistment

Certificate No. CR/23/018/C-3 (Rev-2)

This is to certify that Trisun Energies (Private) Limited having registered office at G-48, 49, 50, Moin Arcade, Sarmad Road, Near Passport Office, Saddar, Karachi is hereby enlisted for solar on-grid/off-grid installations of capacity up to 250 KW as Installer in Category C-3 under Alternative Energy Development Board (Certification) Regulations, 2021. This Certificate is issued on 10<sup>th</sup> Sept, 2024 and is initially valid till 18<sup>th</sup> April, 2026. The validity of this Certificate shall be extended up to 18<sup>th</sup> April, 2026 by PPIB upon submission of extended PEC License.

**Note:** The Certificate is valid for installation works in Islamabad Capital Territory and province of Sindh only. Permission for installation works in other provinces shall be allowed by PPIB upon submission of certified copy of Provincial Sales Tax on Services registration.





# MEMBERSHIP CERTIFICATE

Book No. K	01621	Serial No. K	162013
<b>MEMBERSHIP CERTIFICATE</b>			
<b>Karachi Chamber of Commerce &amp; Industry</b>			
Aiwan-e-Tijarat Road, Off: Shahr-e-Liaquat, Karachi-74000, Pakistan			
<b>KCCI</b>			
Membership Number: <b>120972</b>			
(Affiliated with the Federation of Pakistan Chambers of Commerce & Industry)			
<b>CERTIFIED</b> that <b>M/s. TRI SUN ENERGIES</b>			
(name and address of Member Firm / Company)			
<b>Office No. 49-50, Moeen Arcade Near Passport Office Saddar</b>			
G.S.T. No.	<b>3277876178277</b>	N.T.N. No.	<b>52161243</b>
is a member of this <u>Chamber</u>			
<b>THIS CERTIFICATE</b> shall be valid upto the <b>31-Mar-2026</b> unless			
(date)			
otherwise notified to the NTN / GST Registration authority / Scheduled Bank concerned.			
Given on this <b>14th</b> day of <b>October</b> 20 <b>22</b>			
Head of Membership Department			
Secretary General			
			
30112019			

## SOME OF OUR INDUSTRIAL PROJECTS:



Madina Sugar Mills,  
Chiniot, Punjab  
**2 MW**

Kisan Ghee,  
Port Qasim, Karachi  
**2.3 MW**



HubSalt Industry,  
Tharparkar Sindh  
**495 kW**





H&M Textile,  
EPZ, Karachi  
**139 kW**

KEPZ,  
Landhi, Karachi  
**130 kW**



Fossile Fuel,  
Head Office, Karachi  
**100 kW**

## SOME OF OUR RESIDENTIAL PROJECTS:



**DHA Phase 8, Karachi**  
**25 kW**  
On-Grid  
Elevated Structure



**DHA Phase 6, Karachi**  
**25 kW**  
On-Grid  
Elevated Structure



**DHA Phase 7, Karachi**  
**20 kW**  
On-Grid  
Elevated Structure





**DHA Phase 6, Karachi**  
**24 kW**  
On-Grid  
Elevated Structure



**DHA Phase 7, Karachi**  
**20 kW**  
On-Grid  
Elevated Structure

**1000+**

Installed  
Residential Systems

**30MW+**

Installed  
PV Capacity

**08  
Years+**

Experience in  
the Industry



## OUR SERVICES:

- ◆ Provide unique solution and techniques to ensure successful delivery of renewable and sustainable energy projects promptly.
- ◆ Deliver a value for our client with creative, experienced & highly skilled engineering team in the design, installation, operation & maintenance of high quality sustainable energy solution.
- ◆ Produce Solar photovoltaic power plant in various application such as residential, industrial, commercial and agricultural.
- ◆ Trisun Energies tailored according to the client best interest & needs.



## WHY CHOOSE US?

### **Save Money**

Enjoy long-term savings with solar panels from Trisun energies with reduced electricity bills

### **Reduce Carbon Footprint**

Combat climate change by harnessing the Sun's renewable power

### **24/7 Energy Availability**

Our solar + storage systems ensure uninterrupted electricity

### **Expert Installation**

Our team of experts handles everything from design to installation, making the switch to solar a breeze for you





## SOLAR ENERGY SYSTEMS:

### On-Grid System

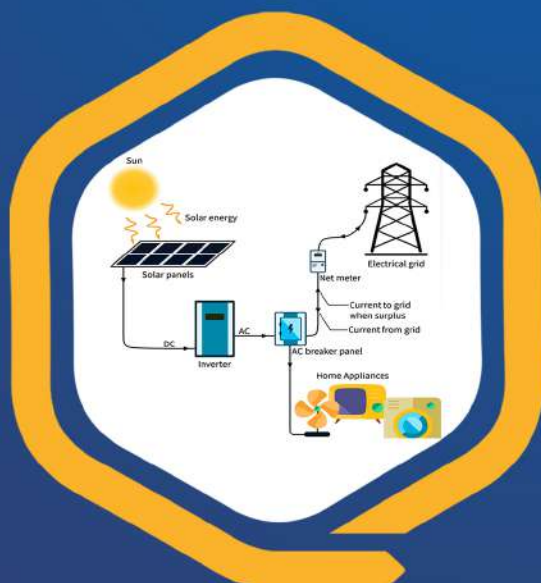
In an on-grid solar system, solar power is produced only when the grid is available. The power supply gets completely cut-off in case of a grid outage. Hence, one needs to depend on back-ups such as DG sets for emergency power supply. The power shut down happens, mostly in case of safety and technical reasons.

### Off-Grid System

An off-grid system is not connected to the grid and, therefore, does not use any electricity produced by the grid, nor its services. Hence, an off-grid system will not receive any electricity bill. Still, an off-grid system costs more because of the expensive battery bank that needs to be installed.

### Solar Irrigation System

A solar powered water system is made of two basic parts. The solar electric modules are the powerhouse. The electricity from the panels goes to the motors and pumps, which send the water through the pipes to where you want it. Many solar-powered water systems pump the water into a large holding tank. This reserve storage supplies during cloudy weather or at night.



On-Grid System



Off-Grid System



## SOLAR PANELS:

Solar Energy begins with the sun, Solar Panels (also known as "PV Panels") are used to convert light from the sun, which is composed of particles of energy called "Photons", into electricity that can be used to power electrical loads. Solar panels can be used for a wide variety of applications including remote power systems for cabins, telecommunications equipment, remote sensing, and of course for the production of electricity for residential and commercial solar electric systems.

**LONGI**  
JA SOLAR

**JinKO** *Solar*  
ASTRONERGY

## INVERTORS:

An inverter converts the DC voltage from the Solar Panels and battery to an AC voltage for some appliances. In most cases, the input DC voltage is usually lower while the output AC is equal to the grid supply voltage. Since Trisun Energies have been in trading since years, so we have a great association with the top tier brands like SUNGROW, HUAWEI, GROWATT, Sofar and many others.

**GOODWE**

**GROWATT**

 **HUAWEI**

**SUNGROW**



## Types Of Inverters

### On-Grid Inverters

An On-Grid solar inverter is a photoelectric system that converts Direct Current (DC) obtained from a solar panel to Alternating Current (AC).

**GOODWE**

**GROWATT**



**SUNGROW**

### Off-Grid Inverters

Off-grid inverters are designed to work alone and cannot synchronize with the grid.

**TRIEX**



**SOLAX**  
POWER

### Hybrid Inverters

A hybrid solar inverter is the combination of a solar inverter and a battery inverter into a single piece of equipment that can intelligently manage power from your solar panels, solar batteries, and the utility grid at the same time.

**SUNGROW**

**NitroX**<sup>®</sup>

### Official Partners

We are proud to announce our official partnership with renowned brands.



**CHINT**

**optel**

**Jubilee**  
FAMILY TAKAFUL



**ZONG 4G**  
LET'S GET DIGITAL



### The Triex Series is proudly backed by Trisun Energies

Since 2017, Trisun Energies has served more than 1000's of clients nationwide. Trisun Energies has completed a wide range of solar installations, from large scale industrial projects to residential solutions. Through this experience, it identified the need for tailored inverters and batteries for small to medium scale projects in Pakistan. Therefore, Trisun Energies invested in research and development to design and create Triex, which includes hybrid solar inverters and lithium-ion batteries specifically designed to meet the unique demands of Pakistan.

We understand that every household deserves a reliable energy solution, and have rigorously engineered the Triex to deliver unmatched reliability and efficiency. Triex is not merely a solar product series—it is a cutting-edge series built on trust, backed by a company that has been lighting the way for thousands of households.

With Triex, you're not just getting a solar product; you're investing in years of expertise, dedication, and a brighter, more reliable future for your home.





## ***Distributions & Channel Partners***



Brand: **Growatt**

Distribution Type: **On-Grid Inverters**

Distributed Capacity: **400MW +**

Time Period: **2022 - 2024**

Distribution Region: **Pakistan**



Brand: **GoodWe**

Distribution Type: **On-Grid Inverters**

Distributed Capacity: **150MW +**

Time Period: **2024 - 2025**

Distribution Region: **Pakistan**



Brand: **TRIEX** ( Powered by Trisun Energies )

Inverters: **PV3000, PV5000, PV6000,  
PV7000, PV10000**

Battery: **5.2kAh, 10.4kAh**

Established Year: **2022**

Services Centre: **30 across Pakistan**

Channel Partners: **50 across Pakistan**



**TRISUN**  
ENERGIES

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