



**COMPANY
PROFILE**



IGA-TECH Professional UPS Manufacturer





About Us

IGATECH INDUSTRIAL ELECTRONICS PVT LTD (IGA TECH) is a Power Electronics Company established and promoted by a group of NRI Technocrats and dedicated Professionals. We are committed to manufacture, or source and supply a variety of power control and support electronic systems of current technology and provide prompt service to customers as per commitments of warranty or as per commitments of post warranty services undertaken from time to time. As an ISO 9001:2015 , ISO 14001:2015 and 45001:2018 certified Company, IGA TECH has spread its network throughout the country in addition to export markets in the Middle East.

The Company was incorporated in the year 2000 at Kochi under MSME Category. The Company is poised to excel and remain leaders in the Manufacturing, Distribution, Installation & Commissioning and Services of UPS and Solar Power products.

The Company has well trained team of Sales and Service Engineers to attend the customer requirements.

100% satisfied customers through quality product & services.

Our Expertise

We will always lay emphasis on quality of products and quality of service by complying with the requirements of the quality management system adopted by us, and continually improve the effectiveness of the system while striving to maximize customer satisfaction.

To be the leader in Industrial Automation and energy conservation process by being a premier designer and manufacturer of Industrial Electronics equipment and systems.



- 01** It has well equipped R&D Wing that constantly updates the latest technology in our product range. We ensure customer satisfaction through the supply of quality products along with prompt and efficient after sales & services.
- 02** The Solar Powered UPS Systems and Inverters for Home and Office applications offered by IGA TECH are well known in the region for its efficiency and durability.
- 03** We also sell IT Products and undertake Annual Maintenance contracts from our customers for PC's, Laptops, Printers and its accessories.
- 04** We are very much active in GEM Portal/Govt. E-Tender sites from the day of its inception.



Manufacturing, Distribution, Installation & Commissioning and Services of UPS and Solar Power products.

Why IGA Tech

Find The Best Products At The Best Possible Price

As an ISO 9001:2015 , ISO 14001:2015 and 45001:2018 certified Company, The Company is poised to excel and remain leaders in the Manufacturing, Distribution, Installation & Commissioning and Services of UPS and Solar Power products.

AMC Services

UPS and Computer

IGA Tech specialize in providing comprehensive maintenance and support for UPS (Uninterruptible Power Supply) systems and computers. Our aim is to ensure that your critical equipment remains in peak condition and operates smoothly, minimizing any downtime and maximizing productivity.



UPS Services:

- 01 Preventive Maintenance:** Our skilled technicians conduct regular inspections, testing, and cleaning of your UPS units to identify any potential issues before they escalate into major problems.
- 02 Battery Maintenance:** We perform battery health checks, replacements, and recalibrations to ensure optimal backup power availability. This helps safeguard your valuable data and equipment during power outages or fluctuations.
- 03 System Upgrades:** As technology evolves, we help you stay up-to-date by offering upgrades for UPS hardware and software. This ensures compatibility with the latest industry standards and enhances the efficiency and reliability of your power protection systems.
- 04 Emergency Support:** Our team is available 24/7 to provide immediate assistance in case of UPS failures or emergencies. We understand the criticality of uninterrupted power, and our rapid response minimizes the impact on your operations.

Computer Services:

- 01 Hardware Maintenance:** Our technicians are skilled in diagnosing and resolving hardware issues with computers, including desktops, laptops, servers, and peripherals. We offer proactive maintenance to prevent failures and extend the lifespan of your equipment.
- 02 Software Support:** We provide software installation, configuration, updates, and troubleshooting services. Our experts are proficient in various operating systems and applications, ensuring that your systems run smoothly and securely.
- 03 Virus and Malware Protection:** We implement robust antivirus solutions and perform regular scans to safeguard your computers against malicious threats. This protects your data, privacy, and network integrity from potential breaches.
- 04 Data Backup and Recovery:** We assist in setting up reliable backup systems to protect your valuable data. In case of data loss or corruption, our professionals employ advanced recovery techniques to retrieve your information promptly.

By choosing our AMC services for UPS and computer maintenance, you can enjoy peace of mind, increased equipment lifespan, reduced downtime, and improved productivity. Our skilled technicians and prompt support ensure that your systems are always in top shape.

Contact us today to discuss your maintenance needs and let us tailor an AMC solution that perfectly fits your requirements.

Our Products

UPS System



3:3 Online Ups

Advanced Dsp Design | High Inverter Efficiency
Pure Sine wave, Low THD | Multi line LCD Display
Charger Capability for long backup upto 10hrs
Automatic static bypass | Intelligent battery Charging
High Surge Capacity Generator compatible
Built in Transformer Isolation | Wide service Network
RS 232/SNMP (Optional)



LI Ups

Guaranteed power protection for high performance computer systems, routers/modems, external storage devices and other electronic systems in your home and offices.
LI UPS systems use automatic voltage regulation (AVR) to correct abnormal voltages without switching to battery and typically transfer from line power to battery-derived power within 2 to 4 milliseconds, faster enough to keep all power-sensitive equipment operating without interruption. Line interactive UPS systems are a cheaper option than online double conversion technology.



Online Ups – Hf Series

Online HF Series UPS 1-3 KVA adopts advanced DSP digital control technology to effectively improve product performance, system reliability, and higher power density with small size, light weight and high work efficiency. Using high-frequency switching technology to replace the UPS power supply of the power frequency transformer in the rectifier and inverter with high-frequency switching components
Applications
Networks, data centers, servers and workstations, control systems, communication systems, offices etc



True Online Low Frequency Series 1:1 & 3:1

IGA True online series UPS provides reliable protection for all high end and rugged load condition and equipped to manage all power disturbances. IGATECH Online UPS is an exceptional and innovative electrical apparatus that provides emergency power to a load when the input power source, or the main fails and also give protection to the attached equipment against power fluctuations, spikes, surges, frequency variations and line noise etc. Therefore, our advanced technology Online UPS system plays an essential role in proper functioning of any type of organization without interruption of power and will protect critical load from power failures.

Our Products

Servo Controlled Voltage Stabilizers



The Servo Controlled Voltage Stabilizers (SCVS) use an advanced electronic servo-motor concept to control a motorized variable transformer. Because of the motorization, there is a small delay in voltage correction. However, output voltage accuracy is usually $\pm 1\%$ with input voltage changes up to $\pm 50\%$. These machines are not affected unduly by power factor or frequency variations. This type of technology is extremely effective when considering large three phase applications, as it is able to maintain its accuracy of all three phases, both line to line and line to neutral, irrespective of input voltage balance and load balance at any power factor. They are also able to withstand large inrush currents, normally experienced with inductive loads.

- Air-Cooled or Oil-Cooled
- Single Phase Input & Single Phase Output
- Three Phase Input & Three Phase Output (Balanced Load)
- Three Phase Input & Three Phase Output (Unbalanced Load)
- Output voltage accuracy is usually $\pm 1\%$ with input voltage changes up to $\pm 50\%$.

Our Products

Solar Power Products



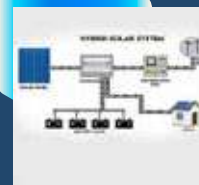
ON GRID – Grid Connected Solar System 2KW to 1MW

On Grid is also known as Grid Interactive System as in the case when there is not enough sunlight to meet your energy consumption, the system runs on the power supplied by the KSEB grid. After having met your energy consumption, you can sell the excess power generated to KSEB. Batteries are not required for storage, hence there will be lesser cost and no recurring expenses.



OFF GRID – Battery Connected Solar System 1KW to 100KW

Off-grid solar system means the solar energy generated from the plant can be stored and used at night or when the power grid is down. Off-grid solar power plants are more useful in areas where the problem of power cut is severe and also in remote locations. Uninterrupted power supply. Voltage drops and fluctuations in the grid will not affect the performance of the appliances.



HYBRID - Combination of On-Grid & Off Grid based Solar System 1KW to 10KW

A hybrid system is when your solar panels remain connected to the grid's power lines and also have a backup battery system to store excess power to work during night or power failures. They come with a smart inverter that can transmit direct current (DC) power to and from your batteries, and provide alternating current (AC) power between the grid and your home as and when necessary.



Micro Inverter – Micro Inverter Based Solar System 1KW to 1MW

Microinverters operate independently, so each panel performs to its fullest. One shaded or dirty panel won't affect the rest of the system. Each micro-inverter is connected to a single solar panel for maximum control and reliability. If one panel is obstructed for any reason (due to shading from trees, leaves, dirt and cloudy days), only that panel's energy production will be affected and the rest will stay online producing energy at their maximum capacity.

Our Products

Solar Power Products



Solar PV Panels

DCR Panels (Made in India Panels), Poly Crystalline, Mono Crystalline, Poly PERC, Mono PERC, Mono PERC Half Cut. All the Panels go with a Lifespan warranty of 25 years and more. The technical difference between Poly and Mono Crystalline panels: Polycrystalline solar panels consist of several crystals of silicon melted together and are relatively economical. They appear in blue colour. Polycrystalline solar panels for home come in 40 watts to 330 watts.



Solar Batteries

Solar batteries are used to store solar energy and discharge power as and when needed. Solar batteries are used in OFF GRID solar system to store energy produced by Solar panels.



Solar UPS & Inverters

Purpose of a solar inverter is to convert the DC electricity flowing from your solar panels into usable AC power that your home appliances use. Off grid inverter ensures uninterrupted power supply all the time with the help of battery bank.



Solar Water Heaters

Microinverters operate independently, so each panel performs to its fullest. One shaded or dirty panel won't affect the rest of the system. Each micro-inverter is connected to a single solar panel for maximum control and reliability. If one panel is obstructed for any reason (due to shading from trees, leaves, dirt and cloudy days), only that panel's energy production will be affected and the rest will stay online producing energy at their maximum capacity.



MNRE Approved Vendor for On-grid Solar Roof Top System

78000/-

Subsidy Available for Residential Customers

PM Surya Ghar: Muft Bijli Yojana is a government scheme that aims to provide free electricity to households in India. The scheme was launched on February 15, 2024. Under the scheme, households will be provided with a subsidy to install solar panels on their roofs. The scheme is expected to benefit 1 crore households across India. It is estimated that the scheme will save the government Rs. 75,000 crore per year in electricity costs.

- The homeowner must be an Indian citizen.
- The household must have a valid electricity connection.
- The household must not have availed any other subsidy for solar panels.

Loan Schemes Available on the Jan Samarth Portal through listed Banks



Our Products

Battery Charger



IGATECH Float-Boost battery chargers are used for charging large battery banks and also provide DC output to the load. Here battery charger along with a floating battery provide uninterrupted DC power supply to a critical load. Float-cum-boost battery charger or FCBC feeds the critical load without any break and also charges the discharged battery. IGATECH offers battery charger with superior design, reliable and longer life with excellent performance.

- Input and output with breaker protection.
- Float cum boost dual charger(parallel charger)
- Industrial Battery charger.
- On board settings, for current and voltage.
- Analog /Digital panel metering.
- Status LEDS on the front panel.
- Visible and Audible alarm.
- External alarm contacts for all alarms(optional).
- Over current and voltage protection.
- Marine grade ingress protection available (optional).



IGATECH

Bringing Power to Life

To excel and remain leaders in the Manufacturing, Distribution, Installation & Commissioning and Services of UPS and Solar Power products.



IGA-TECH
Professional
UPS Manufacturer



Contact with us:

IGA TECH is a Power Electronics Company established and promoted by a group of NRI Technocrats and dedicated Professionals who have rich experience in Power Electronics Industry.

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