

EAPRO

POWER WITH BRAIN



www.eapro.in

Energy Automation Products & Research Organization



The Popular DSP-Sine Wave Inverter Technology invented in year 2002 by

Mr. Jagdeep Chauhan - MD (Eapro Global Limited)

Patents Granted - 5

Patents Applied - 4

His Belief -

"The Technology WINS the RACE"

Company Overview :

-  - Inception - 2012.
-  - Present Team - 500+.
-  - Manufacturing plants - 5.
(Capacity- more than 50,000 Inverters/ month).
-  - In - house R&D **with 50+ Technocrats.**
-  - Global Presence - 20+ Countries.
-  - ODM for most of the reputed brands.
-  - Domestic & Export Dealer/Distributor Network - 2000.
-  - Trusted technology - Over 10 million satisfied users globally.

Vision:

To be World's No.1 brand in Solar Inverter Technology by providing best Solar Solution to Society with help of continuous Research & Innovation.

Mission:

- To be India's No.1 Solar Solution Provider Company.
- To be among India's Top 10 Organization in Best Employer Category.
- To be India's No.1 company in Customer Satisfaction in Solar Segment.

Values:

Integrity in EAPRO is different than always being right or always making the right calls, we believe its being honest, having a strong moral compass and understanding.

Accountability is a belief within the employees of making sure its not just about delivering a perfect product but also delivering an individual faith to the customers for the product delivered.

Awards & Recognition

- Awarded as best company in innovation of ON GRID HYBRID inverter at sigma summit (International solar Alliance) on 30th Jan2019 in New Delhi.
- Recognized by Silicon India 10 most promising original design Manufacturers - 2019.

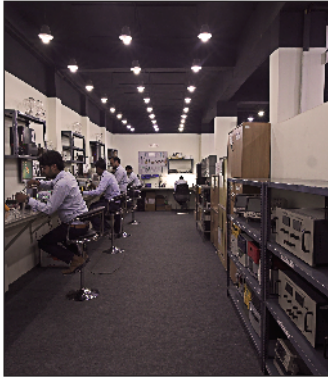
Certifications



Who we are

Energy Automation Products & Research Organization, popularly known as EAPRO was established in 2012 with a mission to bring futuristic, ECO-friendly products to the people at affordable cost. Today EAPRO is one of the most innovative organizations of India in production of Solar Power Generating System Products.

Our Core Strength :

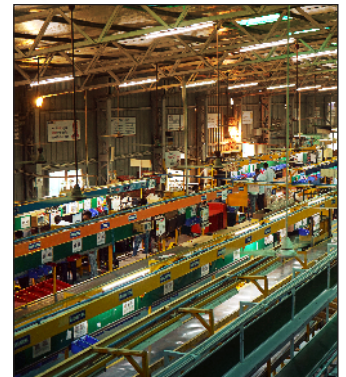


World Class Research & Development

Our Research & Development Center comprises of highly experienced and qualified technocrats, who works on new revolutions, keeping an eye on the recent advancements in the technology and ever changing market needs. The technologies used in products are provided by our R&D center and are the back bone of EAPRO.

Specialized Manufacturing

We are the leading manufacturer of solar power generating system. We have 5 different plants in Roorkee, Uttarakhand to cater the customized manufacturing as per the customer's wish list.



Ensured Quality

With a strong vision & dedicated organization mission, we deliver the best in class quality products. We implement 5S & Quality Management System based on ISO – 9001 standards to maintain a professional standard of working. The organization is integrated with quality in all spheres of its activities to ensure that the quality of its products provide the customer with continued satisfaction.

Area of Diversification :

- On-Grid Hybrid System.
- Battery Management System (BMS)
- Home Automation & Intelligent Surveillance System



Jagdeep Chauhan
Founder & Managing Director

Mr. Chauhan is a Young and Energetic Electronic graduate Engineer (Amravati University, Maharashtra) who invented the **DSP Sine-Wave Inverter Technology in 2002** after which **INDIA became WORLD LEADER** in production of power backup inverters.

With over 25 years of experience (including 5 granted and 4 applied patents) in Power Electronics development and business management, he is well utilizing his spiritual and intellectual energy to enhance the team's motivational levels which runs the company effectively.

His Belief - “ **The Technology WINS the RACE** ”

His mission is to bring futuristic, ECO- friendly solar products to the people at affordable cost. Today, EAPRO is one of the most innovative organisations globally in production of Energy Automation Products & Solar Power Generating Systems.



Abhilasha Singh
Director

Strongly believes that people & process are the main constituent for maintaining product quality. Consistent effort in people building apart from implementing quality process and management process in each and every department.

Awards & Recognitions



Startup to Unicorn award for his commendable contribution in Solar Power Generating System Innovations by Honourable Cabinet Minister Sh. Piyush Goyal Ji on the platform organised by Zee Media in New Delhi (Nov, 2021).



Building New Uttarakhand contributor award by Honourable Chief Minister Uttarakhand Sh. Pushkar Singh Dhami Ji for commendable contribution in Solar Power Innovation and Employment opportunities in Uttarakhand (Dec, 2021).



Asia Pacific Most Promising Entrepreneurship Award - 2010 (APEA, Singapore.)



Outstanding Contribution award in the field of Power electronics at "Global Business Opportunities & Latest Trends in Solar Energy" Programme by MSME, Jaipur (Oct, 2018)



Best company Award in Innovation of ON GRID HYBRID inverter at Sigma Summit (International Solar Alliance) - Jan, 2019 New Delhi.



Silicon India 10 Most Promising Original Design Manufacturers, 2019 award for high quality, efficient & reliable ODM services

Manufacturing Capacity involves 5 different units



The Mother Plant of Inverter Manufacturing

With a strength of more than 200 skilled manpower, we have a Inverter manufacturing facility of producing 50,000 power back up, solar, hybrid inverters per month ranging from 250 VA to 50 KVA. With 6 number of well equipped manufacturing lines following the processes like Fitting, Transformer fitting, Power Card fitment, Wiring, Display & Bazel fitting, connections followed by all the visual and quality inspections.

Cabinet Designing and manufacturing

Quality mechanical systems , a setup for manufacturing in house cabinet for all capacities of inverters and AC stabilizers, produces 1000 cabinets per with well equipped machinery setup of Shearing, Power Press, CNC Bending, Milling, Lathe, Surface Grinder, Spot Welding and Powder Coating Machines. With a manpower strength of more than 20 technicians, QMS follows all standard processes to manufacture long life and best quality cabinets.



Transformer Division

A team of 20 skilled manpower produces 1000 transformers per day following all the basic processes like Bobbin manufacturing, Primary & Secondary winding, Core Filling, Testings, Oven process and final quality inspections to produce all capacities of transformers. Our in house manufactured transformers matches best with our Inverters.



Printed Circuit Board (PCB) Manufacturing

In house Surface Mounting Machine and Skilled Manpower working with quality standards raises our production capacity of Power Cards to 3000 per day. With 8 skilled and trained technicians operating the Surface Mounting Machine produces 3000 cards per day following the processes like Solder pasting, CNC Programmed chip mounting followed by visual inspections to manufacture cent percent flawless product. Manual mounting of components followed by WSM Soldering machine and testing/tuning of power cards is done by trained manpower.



Solar Panel Manufacturing

We are taking photovoltaic manufacturing as one of our core industries. We are engaged in production and sales of PV modules. As a complete solar solution provider, we have a complete range of PV modules ranging from 40W to 335W. With a skilled manpower of 15 technicians, we are in a capacity to produce 35MW/annum.



Business Divisions

Technology Consultancy

We provide Technology Consultancy to most of the reputed brands globally through our world class Research & Development Center.

ODM - Original Design Manufacturer

We design our products, validate them and do field testing for providing best in class technology and trusted products with multiple design options. We have well defined ODM division and special service plans for ODM partners including onsite service and well equipped training centre for imparting product & technical training.

Channel Sales

We endeavor to partner our patrons and customers in their journeys of exploration. Our main objective is to provide an immersive brand and retail experience in addition to ensuring a superior product experience. Our dealers and distributor network teams are our extended partners in this task. We have strong & well established above 2000 channel partners network.

Export

We being a Technology driven organization provides customized solutions to the clients globally as per their requirements. This helped EAPRO tremendously in growing across the Globe & establishing long term relation & trust amongst its core clients world wide.



| | |
|--|-----------|
| | China |
| | Dubai |
| | Egypt |
| | Japan |
| | Jamaica |
| | Kenya |
| | Lebanon |
| | Nepal |
| | Nigeria |
| | Singapore |
| | Tanzania |
| | U.A.E. |
| | Uganda |
| | U.S.A. |
| | Yemen |

Product Description



- Smart Solar Selection with three different Saving Level Zones.
- User Selectable Critical Parameter Settings.
- Remote Monitoring & Controlling through Wi-Fi/LAN/GSM/GPRS/Android App (Optional)
- Provision to maintain the Battery gravity charging at 90V (Low Mains).
- Incorporating all the features of conventional Sine Wave Inverter.

Specifications

| | |
|-----------------------------------|--|
| Capacity (VA) | 650VA, 850VA, 1000VA, 1450VA, 2000VA |
| Nominal battery voltage (Vdc) | 12V / 24V |
| Charge Controller Type | PWM |
| Charge Controller Rating | 50A/12V / 50A/24V |
| Maximum PV Power | 800Wp / 1600Wp |
| Rated Output Power (kW) | 650VA, 850VA, 1000VA / 1450VA, 2000VA |
| Input Voltage Range (Voc) | 23V / 46V |
| Input Voltage Range (Vmp) | 14.5V -18V / 29V - 36V |
| Battery Boost volatage (Settable) | 14.4V (Default setting) |
| Battery Low Cut (Settable) | 10.6V (Default setting) |
| Grid charging current(Settable) | 18A / 20A (Default setting) |
| Solar Charging Current(Settable) | 40A (Default setting) |
| Dimensions (L*W*H) [mm] | 330*325*185 mm (Net Weight 10.35 Kg) 405*370*260 mm (Net Weight 16.96 Kg) |
| Supported Battery Types | Flat,Tubular, VRLA(SMF) |

3 Phase Solar Hybrid PCU

Product Description



REAL TIME
CLOCK



- More reliable & efficient single card solution.
- New generation power devices capable to handle high surge current.
- Interactive multi colour big graphical display.
- Closed loop Auto Sensing Software Control (ASSC) smart Battery Charging Technology for longer battery life.
- Remote Monitoring & Controlling of PCU through Wi-Fi/LAN/GPRS/Android App (Optional).

Specifications

| | |
|-----------------------------------|--|
| Capacity (KVA) | 10KVA/ 120V,10KVA/ 180V,15KVA/ 240V,20KVA/ 360V, 30KVA/ 360V,40KVA/ 360V, |
| No Load Battery Current (NLC) | 2.0+/-0.2A |
| O/P Voltage at No Load | 240+/-1% |
| O/P Voltage at full Load | 240+/-1% |
| Overload Retry | 6 Times |
| Overload Limit each Phase on Load | 105% ~105 Sec. / 125% ~36 Sec. / 150% ~22 Sec. / 200% ~15 Sec. |
| Output Frequency (Inverter Mode) | 50.0 +/- 1 Hz |
| Mains Low Cut | 180+/-5V |
| Recovery | 190+/-5V |
| Mains High Cut | 280+/-5V |
| Recovery | 270+/-5V |
| Overload Indication | 105-150% Buzzer beep after every 30Sec for 5sec >150% Continuous Buzzer beep |
| Change Over Time | Mains to Inv. - 30 s, Inv. to Mains - <10ms, Max. Charging Current - 10+/-2A, Boost Charging Voltage - 14.2+/-0.2V/Batt. |

Product Description



- Multi Channel Interleaved MPPT Technology with Tracking efficiency- 99.5%.
- More efficient and high reliable.
- Smart Solar Selection for max. utilization of Solar Power.
- Remote Monitoring & Controlling of the Solar PCU through WI-FI/LAN/GPRS (Optional).

Available in :

3 KW-48V, 4 KW-96V, 6 KW-120V,
8 KW-120V, 10 KW-180V, 12 KW-240V.

Specifications

| | |
|--|--|
| Mains AC Lower Voltage Limit | 100 ± 5 VAC |
| Mains AC Lower Recovery Volt. | 110 ± 5 VAC |
| Mains AC Higher Voltage Limit | 280 ± 5 VAC |
| Mains AC Higher Recovery Volt. | 270 ± 5 VAC |
| Battery Low Cut-Off Voltage (Settable) | 10.6 ± 0.2 V (per Batt.) Default |
| Mains o/p Frequency | Same as Input |
| UPS o/p Frequency | 50 ± 1.0 Hz |
| Charge Controller Type | MPPT based |
| Input Current per Channel (Max. Imp) | As per model |
| Solar Batt. Low Cut Voltage (Adjustable) | 11.5V (Default) |
| PV Reverse Polarity Protection | Available |
| Reverse Current flow to PV Protection | Available |
| Trickle Charging Current Limit | 0.5 ± 0.3 A |
| Boost Voltage (settable) | 14.4 ± 0.1 V (per Batt.) (default) |
| Float Voltage | 13.6 ± 0.2 V (per Batt.) |
| Overload | 100 + 3% (with Auto reset function) |
| Short Circuit Protection | > 300% Load (with manual reset function) |

EAPRO NON SOLAR

POWER BOOSTED HOME UPS



| Model | EGSINE1100 | EGSINE1500 | EGSINE1700 |
|-------------------------------------|--|-----------------|-----------------|
| Capacity (VA) | 925 VA | 1050 VA | 1450 VA |
| Nominal battery voltage (VDC) | 12 V | | |
| Battery boost voltage (Per Battery) | 14.4 V (Default) | | |
| Battery Low Cut (Per Battery) | 10.7 (Default) | | |
| Built in automatic stabilizer | Yes | | |
| Grid charging current (HC) | 17±1A | 18±1A | 26±1A |
| Output waveform | Pure Sine Wave | | |
| Grid input Range | 90V to 290V | | |
| Display Type | User Friendly LED Display | | |
| Weight | 8.710 Kg | 9.640 Kg | 10.470 Kg |
| Dimensions (LxWxH) in mm | 266 x 277 x 111 | 266 x 277 x 111 | 268 x 277 x 111 |
| Protection Class | IP20 | | |
| Standards | IS 16242 (Part 1) : 2014/IEC62040-1:2008 | | |

*Supported Battery Types - Tubular, VRLA (SMF)

AUTO

**BUILT IN
AUTOMATIC
STABILIZER**



**PURE
SINE WAVE
TECHNOLOGY**



**INFORMATIVE
LED DISPLAY**



**LONGER
BACKUP &
BATTERY LIFE**

POWER SAVING INDUSTRIAL UPS



| Model | EGSINE2500 | EGSINE3500 | EGSINE4500 | EGSINE6000 | EGSINE12000 |
|-----------------------------------|--|-------------|-------------|-------------|-------------|
| Capacity (VA) | 2200 VA | 3000 VA | 3500 VA | 5625 VA | 10000 VA |
| Nominal battery voltage (VDC) | 24 V | | 36 V | 48 V | 96 V |
| Battery boost voltage (Per Batt.) | 14.4 V (Default) | | | | |
| Battery Low Cut (Per Batt.) | 10.7 (Default) | | | | |
| Remote monitoring | Yes | | | | |
| Power saver in Grid mode | Yes | | | | |
| Grid charging current (HC) | 20±1A | 24±1A | 20±1A | 24±1A | 20±1A |
| Output waveform | Pure Sine Wave | | | | |
| Grid input Range | 100V to 280V | | | | |
| Display Type | User Friendly Graphic LED Display | | | | |
| Weight | 15.130 Kg | 17.200 Kg | 28.580 Kg | 36.780 Kg | 63.200 Kg |
| Dimensions (LxWxH) in mm | 316x276x159 | 318x276x159 | 313x276x376 | 364x276x417 | 438x276x435 |
| Protection Class | IP20 | | | | |
| Standards | IS 16242 (Part 1) : 2014/IEC62040-1:2008 | | | | |

*Supported Battery Types - Flat, Tubular, VRLA (SMF)



**POWER
SAVING**



**PURE
SINE WAVE
TECHNOLOGY**

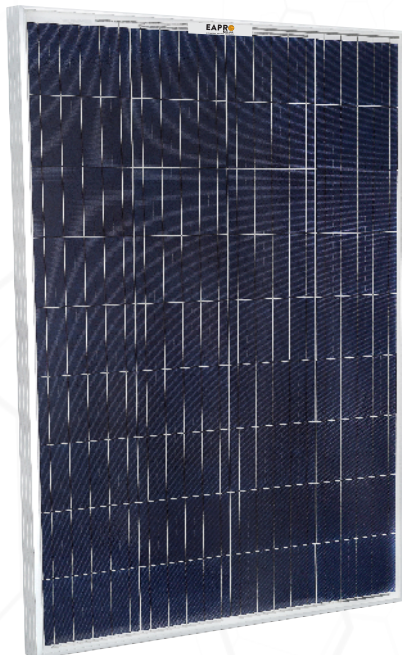


**SMART PHONE
& Wi-Fi
CONTROLLING
(OPTIONAL)**



**LONGER
BACKUP &
BATTERY LIFE**

Product Description



- Specially Designed for off Grid & Grid Tie Solar Solution.
- High performance Modules with efficiency over 18%.
- Excellent energy generation in weak light.
- 0-+5% power output.
- PID free module, Anti-PID cell technology.
- Wind load of up to 2400 pa and heavy snow load of up to 5400 pa.

Available Models 105W to 330W

| Electrical Characteristics @25°C | | | | |
|----------------------------------|-------------|-------------|-------------|-------------|
| Max Power (Pmax.)-WP | 105 | 170 | 270 | 330 |
| Voltage at Max. Power (Vpm) | 17 | 19.31 | 31.71 | 37.5 |
| Current at Max. Power (Imp) | 6.2 | 8.8 | 8.53 | 8.81 |
| Open Circuit Voltage (Voc) | 21 | 23.2 | 38.81 | 46.2 |
| Short Circuit Current (Isc) | 6.30 | 9.3 | 9.1 | 9.38 |
| Maximum System Voltage Volts | 1000 | 1000 | 1000 | 1000 |
| Physical Parameter | | | | |
| No. of Cells | 32 | 36 | 60 | 72 |
| Module Dimension (mm) | 1026x666x34 | 1486x666x34 | 1651x991x35 | 1966x991x36 |

Product Description



- Extra Power Saving.
- Longer Cycle Life.
- Low Maintenance.
- Extra Backup.
- Electrolyte contains special additives to get quick recovery from deep discharge.
- Excellent charge acceptance.

Advantages

- Quick charging.
- Suitable for frequent power-cuts.
- Tubular designed plates provides longer life.
- Designed for Solar & Non-Solar application.
- Eco-friendly aqua trap vent plugs to ensure no acid fumes.

Capacity - 120AH, 150AH, 160AH, 170AH, 180AH, 200AH, 220AH

India's Most Trusted SPGS

EAPRO provides best technology to ensure
Maximum Power Generation & Best Performance.

Advantages of EAPRO SPGS :

- Maximum Utilization of Solar Power.
- Good Return on Investment.
- Installation support & Service facilities.
- Best Extended warranty & Maintenance plans.
- Single Point responsibility for entire solution.



Available Range

RTC MPPT Range - (3KW to 50 KW)

Advantages of EAPRO SPGS :

- Maximum Utilization of Solar Power.
- Good Return on Investment.
- Installation support & Service facilities.
- Best Extended warranty & Maintenance plans.
- Single Point responsibility for entire solution.



AC Stabilizer

India's 1st Remote Controlled AC Stabilizer

EnergyGuard

Best solution to cut down
your Electricity Bill



Advantages:

- No Load Shutdown.
- Smart Time Delay Function.
- Sleep Mode Function.
- Input Voltage & Frequency Low & High Cut protection.
- Over load protection.
- Over temperature protection.

Battery Equalizer



(48V - 360V)

- Appropriate for SMF, GEL, Flat & Tubular Batteries.
- Extends battery life.
- Extends backup time.
- Easy to install.
- Reduces battery replacement.

SMU



- Auto Selection of Battery Voltage (12V/24V).
- Solar Current Selection Option (low - 30 amp, med - 40 amp & high - 50Amp).
- Two Savings level with Sun Clock Approximation.
- LCD Display.
- Over load protection by Current Transformer.
- Battery mode selection option (Tubular/SMF/Flat).

After Sales Service

Our team of well trained & equipped service experts with well organized customer care department is committed to provide service within 48 hours along with consumer beneficial Extended Warranty plans. We also provide Service plans for ODM.

Our Service Commitments :

- Service within 48 hours.
- Well defined Customer Care Department.
- Best in Class Extended Warranty & Maintenance Plans.
- Installation Service for HKVA Systems.
- Well trained & equipped service team of Qualified Engineers across INDIA.

Our Initiatives :


- World Class Learning & Development.
- Training Center.
- One Stop Solar Solution.
- Installation & Commissioning.
- Complete System Design.




Go for our AMC services for
hassle free product usage

EAPRO
POWER WITH BRAIN

Customer Care

 **+91- 8650115000**
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(Closed on Sunday & National Holidays)

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EAPRO



POWER WITH BRAIN

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