



Get it, Fit it & Forget it



**Product Catalogue
2024**

**UDYAM REGISTRATION NUMBER
UDYAM-DL-11-0007979**

www.zenvo.in | info@zenvo.in | +91 989 989 8775

PROFILE



ODIN SYSTEM PVT. LTD. as “ZENVO”

ZENVO was founded with the vision of adopting a leadership role in solving today's key issues of energy crisis and climate change. We provide a complete range of services including turnkey EPC services for rooftop projects, consulting, detailed engineering, system integration. We collaborate with our clients to find contemporary solutions to their energy-related challenges. ZENVO is empanelled with reputed agencies like SECI, MNRE, BHEL, and IOCL.

ZENVO was set up in 2019 with a focus on system integration and equipment leasing in the renewable energy sector. We have embarked on an exciting journey to provide an eco-friendly power alternative and aim to be a leading solar energy system integrator/provider. We along with its associates aspire to spearhead the solar rooftop revolution in.

Our approach is to design solutions to the highest engineering standards while making the switch simple for our valued customers. We team along with its valued partners has combined experience of working on more than 2000 kW of Roof-Top Solar PV/Off-grid systems. Our strength lies in leveraging on our strong technical expertise across the complete PV value chain to help deliver reliability. Robust and cost-effective solutions which can make power available to all at a cost than can pay for itself.

Our strategic focus is on the efficient execution of solar PV plants specifically in the range of kW – MW. ZENVO team is proud of the fact that it has, in such a short span of time serviced the best names in the Solar PV ecosystem. We are already very active in Consulting and Project Integrations Services. We have the necessary workforce and resources to execute up to 10 MW capacity at any given time.



VISION, MISSION AND VALUES

Vision

- To be the best technology enabler for building the future of our customers

Mission

- To improve the quality of life and the environment through the use of power management technologies and services

Values

- Integrity is the core value that guides all our actions and decisions
- We strive to deliver excellence to our customers in every step
- We value each member of the team and believe in dedication & team spirit
- Innovation is the cornerstone on which we build our success & future moves



MEET OUR CEO



Asheesh Agarwal
CEO

A team destined to win: Combined experience of 65 years

Asheesh Agarwal is an Engineering graduate & master's in management by his qualification. Carries more than 25 years of Hard-core experience in International & Domestic market as well. .

He has been instrumental in taking the profits of the company to new heights of success. He has served with organizations like Su-kam Power as CEO, Director Operations with Nabina Trading, Qatar & As AVP – International Business with Orient Electric (Birla Group), Asheesh is a virtuoso in the field of Sales, International Business and Supply Chain & has visited over 80 countries of the world

Has been awarded with Business Innovation Best Practices Academia Award by Former PM of India Dr. Manmohan Singh. Also Business leader of the Year – 2019 by National Human Welfare Council and multiple times with Export Excellence Award by Engineering Export Promotion Council of India.



DIRECTOR



Amit Sharma
Director – Sales & Marketing

A team destined to win: Combined experience of 65 years

Amit Sharma is a hard-core sales professional with more than 25 years of experience in the Domestic market in various segments, i.e., Channel sales, Solar projects, Key accounts & OEM segments. He carries command of Business Development, Marketing & sales strategy, is a Mechanical Engineer & Management graduate by qualification.

A well-known professional in segments of Office Automation, FMCG, and Consumer Goods (White Goods, Power backup, Solar Products & Roof Top projects). Have gained experience by working with Forbes, TATA, Amara Raja (AMARON), Genus group, and Su-Kam.

Ventured into Business with an eye on technology and focus on serving the Nation & Society.



DIRECTOR



Himanshu Singh
Director - Technical

A team destined to win: Combined experience of 65 years

Himanshu Singh is a young and dynamic & technical professional, Electronics & Instrumentation engineer academically.

He carries over 15 years of domestic & global hard-core experience in corporate & channel sales, especially in High capacity products. He has served with organizations like Eaton, Emerson, Su-Kam, and many more such MNCs. Well known for his technical know-how & being large at heart.

AWARDS & ACCOLADES



ZENVO is awarded with **HALL OF FAME AWARD** for one of the best startup company.



AWARDS & ACCOLADES

ZENVO is awarded with **BEST PERFORMING PRODUCT TECHNOLOGY COMPANY RISING STAR** at Solar Roofs Punjab, Haryana & Chandigarh Edition 2019, 29 Nov 2019 Panchkula for one of the best Solar Products.



AWARDS & ACCOLADES

ZENVO is awarded with **TECHNOLOGY INNOVATION OF THE YEAR - GRID SHARING SYSTEM INVERTER RISING STAR AWARD** at 7th Annual Edition India Rooftop Solar Congress 2020.



PROJECTS COMPLETED

All in One Street Light Installed at Shobhit University, Meerut



320 kw Installed at IHM, Haryana



60kva off grid System Installed at Varanasi



20KVA off-grid Installed at Kanpur



20KW Off Grid System at Manesar



20KVA Off Grid System at Bhopal Engineering college



20KVA Off Grid System at BHU Varanasi



20KVA Off Grid System at IMS Hospital Lucknow



20KW Online UPS at Aligarh



5KVA Off Grid System at Gurgaon



4KVA Off Grid System at District Court Azamgarh



60KVA Off Grid System at Khurja, UP



COMPANY CERTIFICATIONS



Certificate of Registration

UK GLOBAL

This is to certify that the Quality Management System of
ODIN SYSTEM PRIVATE LIMITED
Regd. Off: Flat No.: 663, Neelkanth Apartments, Pocket No. 49 Sector-13, Rohini New
Delhi West Delhi - 110085 (INDIA)
Corporate Off: 17, Ground Floor, Vipul Agora Mall Sector-28 Gurugram 122001 (INDIA)

has been independently assessed and is
compliant with the requirements of:
ISO 9001:2015
For the following scope of activities:

MANUFACTURE, SUPPLY, INSTALLATION & SERVICING OF HOME UPS, ONLINE & HIGH CAPACITY INVERTER, POWER BACKUP BATTERIES FOR INVERTER, SOLAR & E- RICKSHAW, SMALL DOMESTIC APPLIANCES (ELECTRIC FANS, ELECTRIC IRON, JICER MIXER GRINDER ROOM HEATERS & GEYSERS, ROOM COOLER ETC.) ELECTRIC LIGHTING, ELECTRIC SWITCHGEAR & DISTRIBUTION BOX, MODULAR SWITCHES ALONG WITH WIRES & CABLES

This certificate is issued under the following conditions:
1. Fulfilled are requirement as per implemented of suggested standards
2. The certificate remains valid until the manufacturing, services conditions are changed.
3. The certificate remain valid until the manufacturing, servicing conditions are changed.
4. After fulfilling the relevant Standard testing performance, the manufacturer and services shall affix to each device, of the referenced models.
The compliance as shown above can be used, under the responsibility of the manufacturer, after completion of a Declaration of conformity and compliance with all relevant Standard requirements. The statement is based on a single evaluation of one sample of above-mentioned product. It does not imply an assessment of the whole production.

Certificate Number: **EQ-2263**
Validity of this certificate can be verified at www.ukglobal.uk/Verify
Initial registration date : 12.MAY.2022 Issue date : 12.MAY.2022
1st surveillance on or before : 11.MAY.2023
2nd surveillance on or before : 11.MAY.2024 Valid until : 11.MAY.2025

Authorised Signatory
(UKGlobal Certification & Inspection Limited)
This certificate is the property of UKGlobal Certification & Inspection Limited and shall be returned immediately on request.
71-75 Shelton Street Covent Garden London United Kingdom WC2H9JQ
Website : www.ukglobal.uk, enquiries@ukglobal.uk
Company No. 12654562

Uk Global Certification & Inspection Limited

Certificate of Registration

UK GLOBAL

This is to certify that the Environment Management System of
ODIN SYSTEM PRIVATE LIMITED
Regd. Off: Flat No.: 663, Neelkanth Apartments, Pocket No. 49 Sector-13, Rohini New
Delhi West Delhi - 110085 (INDIA)
Corporate Off: 17, Ground Floor, Vipul Agora Mall Sector-28 Gurugram 122001 (INDIA)

has been independently assessed and is
compliant with the requirements of:
ISO 14001:2015
For the following scope of activities:

MANUFACTURE, SUPPLY, INSTALLATION & SERVICING OF HOME UPS, ONLINE & HIGH CAPACITY INVERTER, POWER BACKUP BATTERIES FOR INVERTER, SOLAR & E- RICKSHAW, SMALL DOMESTIC APPLIANCES (ELECTRIC FANS, ELECTRIC IRON, JICER MIXER GRINDER ROOM HEATERS & GEYSERS, ROOM COOLER ETC.) ELECTRIC LIGHTING, ELECTRIC SWITCHGEAR & DISTRIBUTION BOX, MODULAR SWITCHES ALONG WITH WIRES & CABLES

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Website : www.ukglobal.uk, enquiries@ukglobal.uk
Company No. 12654562

Uk Global Certification & Inspection Limited

RAFL
Accredited Registrar - 118012A

Registration Certificate

This is to certify that

ODIN SYSTEM PRIVATE LIMITED
REGD.OFF: FLAT NO: 663, NEELKANTH APARTMENTS, PLOT NO.49, SECTOR -13, ROHINI NEW DELHI, WEST DELHI - 110085 INDIA.
CORPORATE OFF: 17, GROUND FLOOR, VIPUL AGORA MALL, SECTOR-28, GURUGRAM - 123001 (HARYANA), INDIA.

has been assessed by RAFL and found to comply with the requirements of

ISO 45001 : 2018

Occupational Health & Safety Management Systems

For the following activities:

MANUFACTURE, SUPPLY, INSTALLATION & SERVICING OF HOME UPS, ONLINE & HIGH CAPACITY INVERTER, POWER BACKUP BATTERIES FOR INVERTER, SOLAR & E- RICKSHAW, SMALL DOMESTIC APPLIANCES (ELECTRIC FANS, ELECTRIC IRON, JICER MIXER GRINDER ROOM HEATERS & GEYSERS, ROOM COOLER ETC.) ELECTRIC LIGHTING, ELECTRIC SWITCHGEAR & DISTRIBUTION BOX, MODULAR SWITCHES ALONG WITH WIRES & CABLES

Certificate Number: E2023073658
Date of certification: 18/07/2023
1st Surveillance on or before: 17/07/2024
2nd Surveillance on or before: 17/07/2025
Certification Valid Until: 17/07/2026

Director (Certification)
Royal Assessments Pvt. Ltd.
REGD. OFF: Flat No. 8-402, Sector - 42, Noida 201304, India
www.royalassessments.com, info@royalassessments.com
Phone : +91 120 420 1000
This Certificate can be verified at www.royalassessments.com

IS 16242(PART 1):2014/
IEC 62040-1:2008

R-83006890

This Certificate remains the property of Royal Assessments Private Limited. Must be returned on request or if certificate is withdrawn. Validity of this certificate is subject to successful surveillance audits. RAFL is accredited by EGAC, IAF, is member of International Accreditation Forum (IAF) and signatory of ILAC.

ISO 9001:2015

ISO 14001:2015

ISO 45001:2018

ETDC
ERTL

Government of India
Ministry of Electronics & Information Technology
Standardisation Testing and Quality Certification Directorate

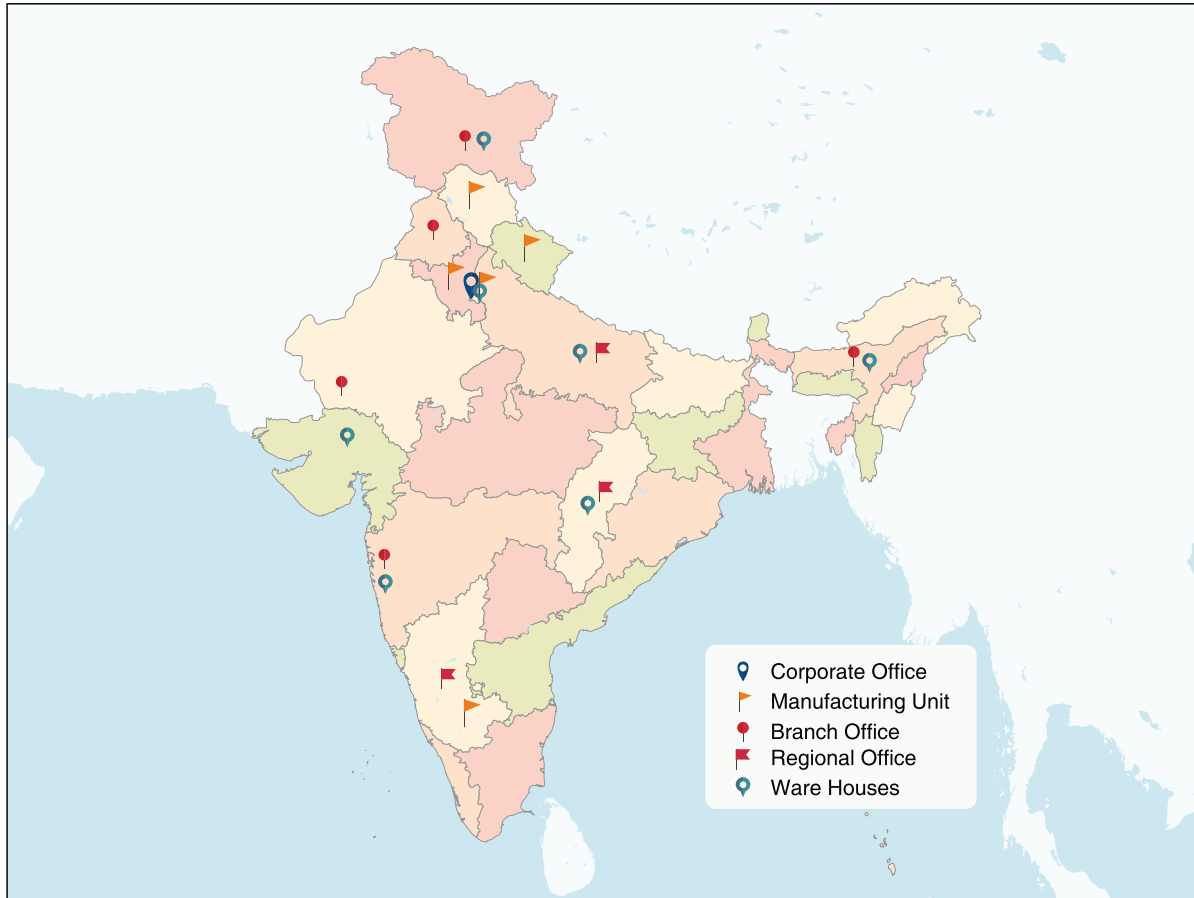
R-83006890

COMPANY CERTIFICATIONS



 <small>महान, लघु एवं मध्यम उद्यम संस्थान</small> <small>Ministry of Micro, Small and Medium Enterprises</small> 																								
UDYAM REGISTRATION CERTIFICATE																								
UDYAM REGISTRATION NUMBER		UDYAM-DL-11-0007979																						
NAME OF ENTERPRISE		M/S ODIN SYSTEM PRIVATE LIMITED																						
TYPE OF ENTERPRISE *	S.No.	Date Year	Classification Year	Enterprise Type																				
	1	2020-21	2022-23	Small																				
	2	2019-20	2021-22	Small																				
	3	2018-19	2020-21	Micro																				
MAJOR ACTIVITY		MANUFACTURING																						
SOCIAL CATEGORY OF ENTREPRENEUR		GENERAL																						
NAME OF UNIT(S)		<table border="1" style="width: 100%;"> <thead> <tr> <th>S.No.</th> <th>Udyog Aadhaar Memorandum</th> <th>Unit(s) Name</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>HR05B0013747</td> <td>ODIN SYSTEM PVT. LTD.</td> </tr> <tr> <td>2</td> <td>HR05B0029438</td> <td>ODIN SYSTEM PVT. LTD</td> </tr> </tbody> </table>			S.No.	Udyog Aadhaar Memorandum	Unit(s) Name	1	HR05B0013747	ODIN SYSTEM PVT. LTD.	2	HR05B0029438	ODIN SYSTEM PVT. LTD											
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Mobile	9818653337	Email:	ceo@zenvo.in																					
DATE OF INCORPORATION / REGISTRATION OF ENTERPRISE		02/04/2019																						
DATE OF COMMENCEMENT OF PRODUCTION/BUSINESS		02/04/2019																						
NATIONAL INDUSTRY CLASSIFICATION CODE(S)		<table border="1" style="width: 100%;"> <thead> <tr> <th>SNo.</th> <th>NIC 2 Digit</th> <th>NIC 4 Digit</th> <th>NIC 5 Digit</th> <th>Activity</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>27 - Manufacture of electrical equipment</td> <td>2720 - Manufacture of batteries and accumulators</td> <td>27201 - Manufacture of primary cells and primary batteries and rechargeable batteries, cells containing manganese oxide, mercuric oxide silver oxide or other material</td> <td>Manufacturing</td> </tr> <tr> <td>2</td> <td>27 - Manufacture of batteries</td> <td>2720 - Manufacture of batteries</td> <td>27202 - Manufacture of electric accumulator including parts thereof</td> <td>Manufacturing</td> </tr> </tbody> </table>			SNo.	NIC 2 Digit	NIC 4 Digit	NIC 5 Digit	Activity	1	27 - Manufacture of electrical equipment	2720 - Manufacture of batteries and accumulators	27201 - Manufacture of primary cells and primary batteries and rechargeable batteries, cells containing manganese oxide, mercuric oxide silver oxide or other material	Manufacturing	2	27 - Manufacture of batteries	2720 - Manufacture of batteries	27202 - Manufacture of electric accumulator including parts thereof	Manufacturing					
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DOMESTIC & GLOBAL PRESENCE





SERVICE CENTERS - DOMESTIC

North India:

1. Lucknow (East UP)
2. Kanpur (East UP)
3. Varanasi (East UP)
4. Sahjahanpur (East UP)
5. Agra (West UP)
6. Aligarh (West UP)
7. Gurgaon (Haryana)
8. Jammu & Kashmir
9. Himachal Pradesh
10. Ghaziabad
11. Meerut
12. Roorkee
13. Ludhiana
14. Chandigarh
15. Delhi
16. Jaipur

East India:

1. Patna
2. Ranchi
3. Bhubaneswar
4. Kolkata
5. Assam

West India:

1. Indore
2. Nagpur
3. Mumbai
4. Kolhapur
5. Raipur
6. Ahmedabad
7. Surat

South India:

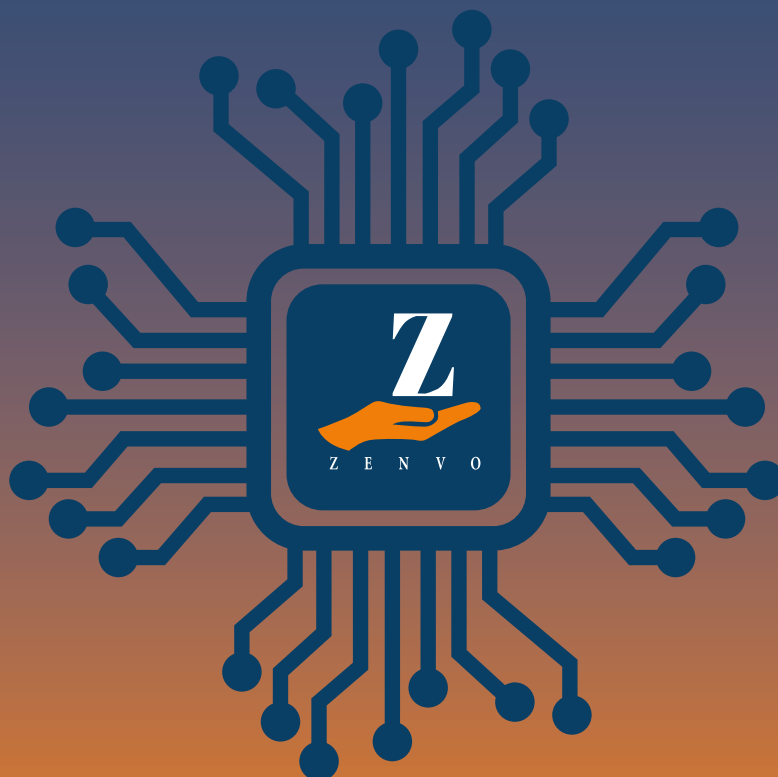
1. Hyderabad
2. Vishakhapatnam
3. Kakinada
4. BhimaVaram
5. Bangalore
6. Mangalore
7. Mysore
8. Shimoga
9. Dabangiri
10. Udupi
11. Belgum
12. Chennai
13. Trichanapali
14. Coimbatore
15. Erode

DISTRIBUTION NETWORK



INDEX

HOME UPS	3	6
SOLAR HYBRID PCU	7	12
HIGH CAPACITY	13	20
SOLAR GRID TIED INVERTER	21	24
SOLAR MODULE	25	32
SOLAR STREET LIGHT	33	38
BATTERY	39	42
HOME APPLIANCES	43	48

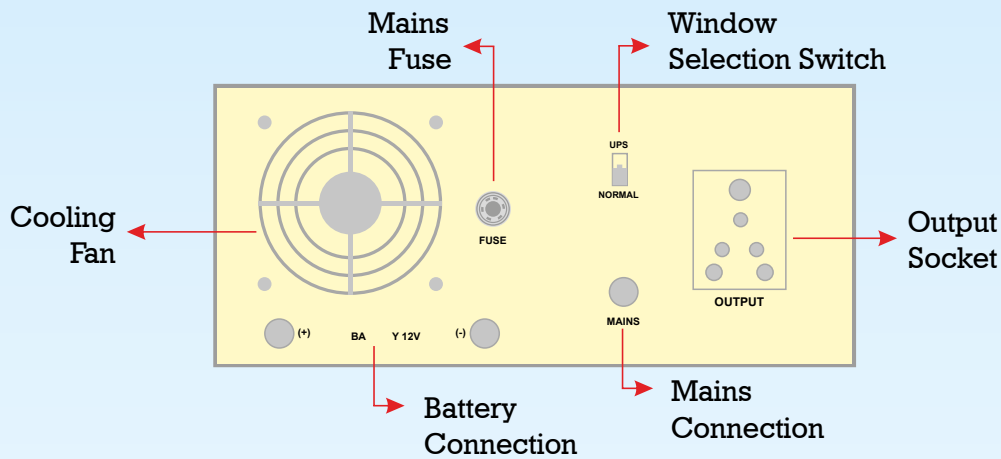




HOME UPS

HOME UPS - DIGITAL

ICONIC 950/1050/1350 & 1750-12V



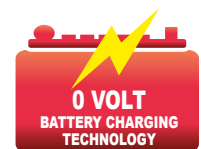
FEATURES

- Compatible With lead acid & SMF Batteries
- Battery Health Doctor Ensure Longer Battery Life
- Reverse Phase Protection
- Over Temperature Protection
- Normal/UPS Selectable Switch
- Short Circuit Protection

KEY FEATURES



**CAN RUN
0.5 HP TULLU PUMP**



**CHARGE BATTERY
EVEN WHEN AT
0 VOLT**

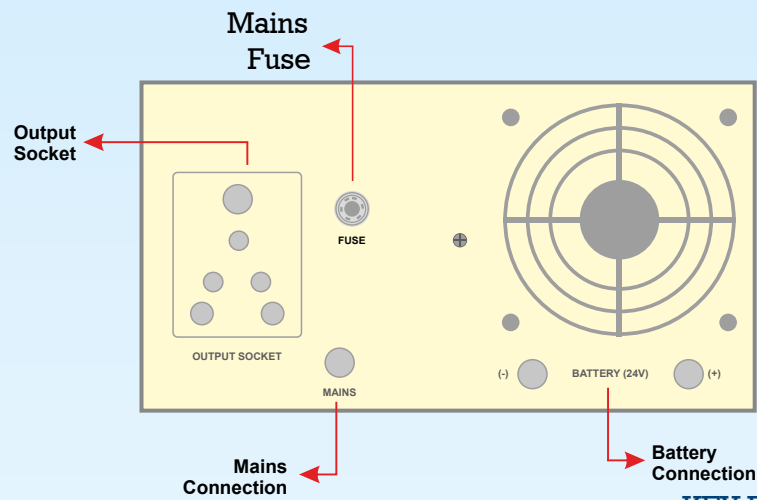
*Applicable on other than 950 Model

PRODUCT INFORMATION

Model	System Rating (VA)	Resistive Load (W)	Dimension (LxWxH) in mm	Weight (+/- 2Kg)
*ICONIC 950-12V	900	630	335x330x190	8 Kg
ICONIC 1050-12V	900	630	335x355x190	8 Kg
ICONIC 1350-12V	1200	840	335x355x190	9 Kg
ICONIC 1750-12V	1400	980	335x355x190	10 Kg

HOME UPS - PURE SINE WAVE

INTELLIGENT+
1150/12V, 1350/12V, 1850/24V, 2200/24V & 2700/24V



KEY FEATURES

- Battery Health Doctor Ensure Longer Battery Life
- Runs High Intensity Appliances
- Compatible With lead acid & SMF Batteries
- Normal/UPS Selectable Switch
- Intelligent Charging & Sharing
- Short Circuit Protection



LCD Display

PRODUCT INFORMATION

Model	System Rating (VA)	Resistive Load (W)	Dimension (LxWxH) in mm	Weight (+/- 2Kg)
INTELLIGENT+ 1150/12V	900	720	400x375x250	8.4 Kg
INTELLIGENT+ 1350/12V	1100	880	400x375x300	9.3 Kg
INTELLIGENT+ 1850/24V	1600	1280	700x375x250	14.3 Kg
INTELLIGENT+ 2200/24V	2000	1600	425x375x238	16 Kg
INTELLIGENT+ 2700/24V	2500	2000	425x375x238	18 Kg

HOME UPS - PURE SINE WAVE

INTELLIGENT+ 4000/48V & 5500/48V/96V



FEATURES

- Battery Health Doctor Ensure Longer Battery Life
- Runs High Intensity Appliances
- Compatible With lead acid & SMF Batteries
- Normal/UPS Selectable Switch
- Intelligent Charging & Sharing
- Short Circuit Protection

KEY FEATURES



LCD Display

PRODUCT INFORMATION

Model	System Rating (KVA)	Resistive Load (W)	Dimension (LxWxH) in mm	Weight (+/- 2Kg)
INTELLIGENT+ 4000/48V	3.5	2800	430x380x395	30 Kg
INTELLIGENT+ 5500/48V/96V	5.0	4000	620x450x500	45 Kg

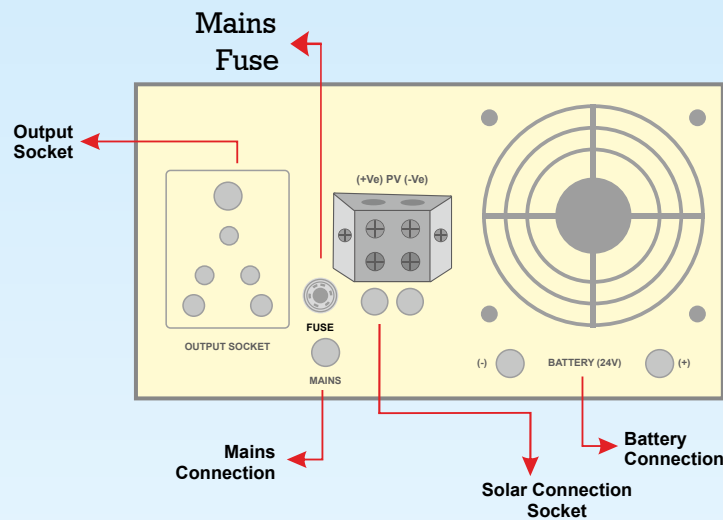


SOLAR HYBRID PCU

SOLAR HYBRID PCU - PWM

4EVER+

1150/12V, 1350/12V, 1850/24V, 2200/24V & 2700/24V



FEATURES

- Solar Priority
- Runs High Intensity Appliances
- Compatible With lead acid & SMF Batteries
- Normal/UPS Selectable Switch
- Intelligent Charging & Sharing
- Short Circuit Protection

KEY FEATURES



5th Generation Technology



LCD Display

PRODUCT INFORMATION

Model	System Rating (VA)	Resistive Load (W)	Dimension (LxWxH) in mm	Weight (+/- 2Kg)
4EVER+ 1150/12V	900	720	400x375x250	8.4 Kg
4EVER+ 1350/12V	1100	880	400x375x300	9.3 Kg
4EVER+ 1850/24V	1600	1280	700x375x250	14.3 Kg
4EVER+ 2200/24V	2000	1600	425x375x238	16 Kg
4EVER+ 2700/24V	2500	2000	425x375x238	18 Kg

SOLAR HYBRID PCU - PWM

4EVER+
4000/48V & 5500/48V/96V



FEATURES

- Solar Priority
- Runs High Intensity Appliances
- Compatible With lead acid & SMF Batteries
- Normal/UPS Selectable Switch
- Intelligent Charging & Sharing
- Short Circuit Protection

KEY FEATURES



5th Generation
Technology

ZENVO
WELCOMES YOU

LCD Display

PRODUCT INFORMATION

Model	System Rating (KVA)	Resistive Load (W)	Dimension (LxWxH) in mm	Weight (+/- 2Kg)
4EVER+ 4000/48V	3.5	2800	430x380x395	31 Kg
4EVER+ 5500/48V/96V	5.0	4000	620x450x500	46 Kg

SOLAR HYBRID PCU - PWM

NEPTUNE P 1150/12V, 1550/12V & 2150/24V



FEATURES

- Solar Priority
- Runs High Intensity Appliances
- Compatible With lead acid & SMF Batteries
- Normal/UPS Selectable Switch
- Intelligent Charging & Sharing
- Short Circuit Protection

KEY FEATURES



LCD Display

PRODUCT INFORMATION

Model	System Rating (VA)	Resistive Load (W)	Dimension (LxWxH) in mm	Weight (+/- 2Kg)
NEPTUNE P - 1150/12V	850	680	349X330X216	11 Kg
NEPTUNE P - 1550/12V	1000	800	349X330X216	15 Kg
NEPTUNE P - 2150/24V	1500	1200	349X330X216	15 Kg

SOLAR HYBRID PCU - MPPT

NEPTUNE M 1KVA/12V, 2.5KVA/24V



FEATURES

- Solar Priority
- Runs High Intensity Appliances
- Compatible With lead acid & SMF Batteries
- Normal/UPS Selectable Switch
- Intelligent Charging & Sharing
- Short Circuit Protection

KEY FEATURES



LCD Display

PRODUCT INFORMATION

Model	System Rating (KVA)	Resistive Load (W)	Dimension (LxWxH) in mm	Weight (+/- 2Kg)
NEPTUNE M - 1KVA/12V	1	800	380X430X215	13 Kg
NEPTUNE M - 1KVA/24V	1	800	405X317X430	15 Kg
NEPTUNE M - 2.5KVA/24V	2.5	2000	470X405X508	27 Kg

SOLAR HYBRID PCU - MPPT

NEPTUNE M

3KVA/48V, 3.5KVA/48V, 5KVA/48V/96V, 7.5VA/96V/120V
10KVA/120V/180V, 15KVA/240V & 20KVA/240V



FEATURES

- Solar Priority
- Runs High Intensity Appliances
- Compatible With lead acid & SMF Batteries
- Normal/UPS Selectable Switch
- Intelligent Charging & Sharing
- Short Circuit Protection

KEY FEATURES



LCD Display

PRODUCT INFORMATION

Model	System Rating (KVA)	Resistive Load (W)	Dimension (LxWxH) in mm	Weight (+/- 2Kg)
NEPTUNE M - 3000/48V	3	2400	470X405X508	33 Kg
NEPTUNE M - 3500/48V	3	2800	470X405X508	54 Kg
NEPTUNE M - 5000/48V	5	4000	595X410X660	54 Kg
NEPTUNE M - 5000/96V	5	4000	595X410X660	54 Kg
NEPTUNE M - 7500/96V	7.5	6000	670X410X762	84 Kg
NEPTUNE M - 7500/120V	7.5	6000	670X410X762	87 Kg
NEPTUNE M - 10000/120V	10	8000	670X410X762	91 Kg
NEPTUNE M - 10000/180V	10	8000	670X410X762	85 Kg
NEPTUNE M - 15KVA/240V	15	12000	740X740X970	170 Kg
NEPTUNE M - 20KVA/240V	20	16000	740X740X970	195 Kg



HIGH CAPACITY

SOLAR HYBRID PCU - MPPT

4EVER ULTRA M PCU 1KVA - 250KVA



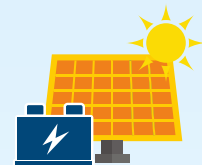
FEATURES

- ÿ Solar Priority
- ÿ Works Like Online UPS Without Conversion Loss
- ÿ Wide Input Voltage Window
- ÿ Priority to Solar Battery Mains
- ÿ Higher Input Efficiency

KEY FEATURES



DSP Based
Technology



Battery Charging
Mains able /Disable

PRODUCT INFORMATION

System Rating (KW)	1 / 2 / 3 / 5 / 7.5 / 10 / 15 / 20 / 30	40 / 60 / 80 / 100 / 120 / 160 / 220 / 250
DC Voltage (DCV)	48 / 72 / 96 / 120 / 144 / 180 / 192 / 240 / 360	
Maximum PV (Voc)	22V Per Battery	
VMPP (Per Panel)	16.5V-19V	
Maximum PV Wattage (Wp)	Equal to PCU Capacity	
Peak Efficiency	>95%	
Voltage Range	230V ± 20% in Single Phase	230V ± 20% in Single Phase
Power Factor	Unity (0.99)	
Maximum MPPT O/p Current	300A	
Default Priority	Solar-Mains-Battery (Various Combinations Possible)	
Overload	150% for 1 Min, 125% for 5 Min	
Efficiency	>92%	
Battery Type	SMF / Tubular	

ONLINE SOLAR UPS

NEXGEN+ ONLINE UPS 1KVA-200KVA



FEATURES

- ÿ DSP Based Digital Control
- ÿ IGBT Rectifier and IGBT Inverter
- ÿ Unit Power Factor - 0.99pf
- ÿ Wide Input Voltage Window
- ÿ Higher Input Efficiency

KEY FEATURES



DSP Based
Technology



Web Enabled
Mobile Interface
(Ondimand)

PRODUCT INFORMATION

System Rating (KW)	1 / 2 / 3 / 5 / 7.5	5 / 7.5 / 10 / 15 / 20 / 30	40 / 60 / 80 / 100 / 120 / 160 / 220 / 250
DC Voltage	230V	230V / 415V	415V
Frequency Range	50 Hz / 60 Hz \pm 4%		
Power Factor Unity	Unity (0.99)		
Power Factor	0.8		
Peak Efficiency	>92%		
THD	<5%		
Static Condition	\pm 1%		
Dynamic Condition	\pm 4% For 100% Step Load		
Admissible Crest Factor	3:1		
Overload	150% for 1 Min, 125% for 5 Min		
Efficiency	>92%		
Battery Type	SMF / Tubular		

SOLAR HYBRID PCU - MPPT

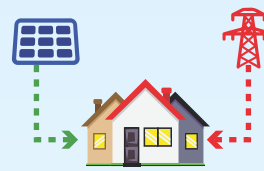
4EVER SERIES 101 (1P-1P) 5KVA-15KVA



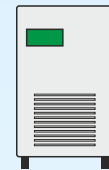
KEY FEATURES

FEATURES

- ÿ Industrial Grade Design
- ÿ DSP Based Technology
- ÿ Wide Input Voltage Window
- ÿ Priority to Solar Battery Mains
- ÿ Battery Charging Through Mains able/Disable
- ÿ Higher Input Efficiency



Solar Priority



Works Like Online UPS
Without Conversion Loss

PRODUCT INFORMATION

System Rating (VA)	5KVA	6.25KVA	7.5KVA	10KVA	15KVA
DC Bus (V)	48 / 72 / 96 / 120	72 / 96 / 120	120 / 192	120 / 192 / 240	192 / 240
Dimension in mm (LxWxH)	640x660x230	640x660x230	640x660x230	770x800x390	770x800x390
Weight in KG (+/- 5%)	-	-	-	-	-
Input Voltage Window	95V - 250V				
Input Frequency	50Hz ± 10%				
Technology	MPPT Converter				
MPPT Efficiency	96% (Peak)				
Transfer Time	< 2 msec				
Voltage on Mains	180V - 250V				
Power Factor	0.8 Lag				
Battery Low Advance Warning	11V Per Battery				
Efficiency on Full Load	On Inverter Mode : >84%, On Mains Mode: >98%				

SOLAR HYBRID PCU - MPPT

4EVER SERIES 303 (3P-3P)
7.5KVA-30KVA, 40KVA-100KVA



FEATURES

- ÿ Industrial Grade Design
- ÿ DSP Based Technology
- ÿ Wide Input Voltage Window
- ÿ Priority to Solar, Battery/Mains
- ÿ Battery Charging Through Mains able/Disable
- ÿ Higher Input Efficiency
- ÿ Works Like Online UPS Without Conversion Loss

KEY FEATURES



Works Like Online UPS
Without Conversion Loss



Solar Priority

PRODUCT INFORMATION

System Rating (VA)	7.5KVA	10KVA	15KVA	20KVA	30KVA	40KVA	50KVA	60KVA	80KVA
DC Bus (V)	192 / 240 / 360	192 / 240 / 360	360	360	360	260	475	515	535
Dimension in mm (LxWxH)	780x390x800	865x465x930	865x465x930	865x465x930	865x465x930	860x460x1125	960x600x1200	960x600x1200	960x600x1200
Weight in KG (+/- 5%)	140.00 Kg	165.00 Kg	170.00 Kg	175.00 Kg	-	-	-	-	-
Input Voltage Window	330V - 470V			330V - 470V			330V - 470V		
Input Frequency	50Hz ± 10%			50Hz ± 10%			50Hz ± 10%		
Technology	MPPT Converter			MPPT Converter			MPPT Converter		
MPPT Efficiency	96% (Peak)			96% (Peak)			96% (Peak)		
Transfer Time	< 2 msec			< 2 msec			< 2 msec		
Voltage on Mains	180V - 250V			180V - 250V			180V - 250V		
Power Factor	0.8 Lag			0.8 Lag			0.8 Lag		
Battery Low Advance Warning	11V Per Battery			11V Per Battery			11V Per Battery		
Efficiency on Full Load	On Inverter Mode : >84%, On Mains Mode: >98%			On Inverter Mode : >84%, On Mains Mode: >98%			On Inverter Mode : >84%, On Mains Mode: >98%		

SOLAR ONLINE UPS

NEXGEN PFC 110 SERIES (1P-1P) 5KVA - 10KVA



KEY FEATURES

FEATURES

- ✓ Wide Input Voltage Window
- ✓ Power Factor Correction
- ✓ Compact Footprint
- ✓ Transformer Over Temperature Control
- ✓ Double Conversion UPS
- ✓ LCD Display
- ✓ Ondimand



Variable Current
Charging



Rs232 / 485 / Wifi / GSM
Bluetooth Connectivity

PRODUCT INFORMATION

System Rating (VA)	5KVA	6KVA	7.5KVA	10KVA
DC Bus (V)	120 - 168 / 180 - 240	120 / 192	192	192 / 240
Dimension in mm (LxWxH)	550x550x200	550x550x200	550x550x200	640x660x230
Weight in KG (+/- 5%)	-	-	-	-
Input Voltage Window	170V - 270V			
Input Frequency	50Hz ± 10%			
Input Voltage	230V AC 1 Ø			
Waveform on Inverter Mode	Pure Sine Wave			
Inverter Type	IGBT based MPWM with instantaneous Sinewave Control			
Over Load Capacity	100% Continuous and 125% - 1 Minute			
Power Factor	0.8 Lag			
Mode of Operation	Designed for Continuous operation			
Transient Response	Remains within +/- 5% & recover to normal within 20 msec			

SOLAR ONLINE UPS

NEXGEN PFC 310 SERIES (3P-1P) 10KVA - 40KVA



KEY FEATURES

FEATURES

- ✓ Wide Input Voltage Window
- ✓ Power Factor Correction
- ✓ Compact Footprint
- ✓ Transformer Over Temperature Control
- ✓ Double Conversion UPS
- ✓ LCD Display
- ✓ Ondimand



Variable Current
Charging



Rs232 / 485 / Wifi / GSM
Bluetooth Connectivity

PRODUCT INFORMATION

System Rating (VA)	10KVA	15KVA	20KVA	30KVA	40KVA
DC Bus (V)	240 / 360	240 / 360	240 / 360	360	360
Dimension in mm (LxWxH)		770x800x390	770x800x390	850x860x470	850x1130x470
Weight in KG (+/- 5%)	-	-	-	-	-
Input Voltage Window	330V - 470V				
Input Frequency	50Hz ± 0.1Hz				
Input Voltage	415V 3 Ø & N				
Waveform on Inverter Mode	True Sine Wave				
Inverter Type	IGBT based MPWM with instantaneous Sinewave Control				
Over Load Capacity	100% Continuous, 125% - 1 Minute and 150% - 5 Seconds				
Power Factor	0.8 Lag				
Mode of Operation	Designed for Continuous operation				
Transient Response	Remains within +/- 5% & recover to normal within 20 msec				

SOLAR ONLINE UPS

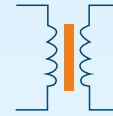
NEXGEN PFC 330 SERIES (3P-3P) 10KVA - 200KVA



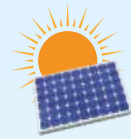
KEY FEATURES

FEATURES

- ✓ Wide Input Voltage Window
- ✓ Power Factor Correction
- ✓ Compact Footprint
- ✓ Transformer Over Temperature Control
- ✓ Double Conversion UPS
- ✓ LCD Display
- ✓ Ondimand



Galvanic Isolation
Transformer



Solar Compatible

PRODUCT INFORMATION

System Rating (VA)	10KVA	15KVA	20KVA - 30KVA	40KVA - 80KVA	100KVA - 120KVA	150KVA - 200KVA
DC Bus (V)	240 / 360	240	360	360	360	360
Dimension in mm (LxWxH)	780x390x800	865x465x930	865x465x930	960x600x1200	1510x1310x690	1620x1490x770
Weight in KG (+/- 5%)	140 Kg	165 Kg	170 - 175 Kg	260 - 535 Kg	-	-
Input Voltage Window	330V - 470V					
Input Frequency	50Hz ± 10%					
Input Voltage	400V AC 3 Ø & N					
Waveform on Inverter Mode	True Sine Wave					
Inverter Type	IGBT based MPWM with instantaneous Sinewave Control					
Over Load Capacity	100% Continuous, 125% - 1 Minute and 150% 5 Seconds					
Power Factor	0.8 Lag					
Mode of Operation	Designed for Continuous operation					
Transient Response	Remains within +/- 5% & recover to normal within 20 msec					



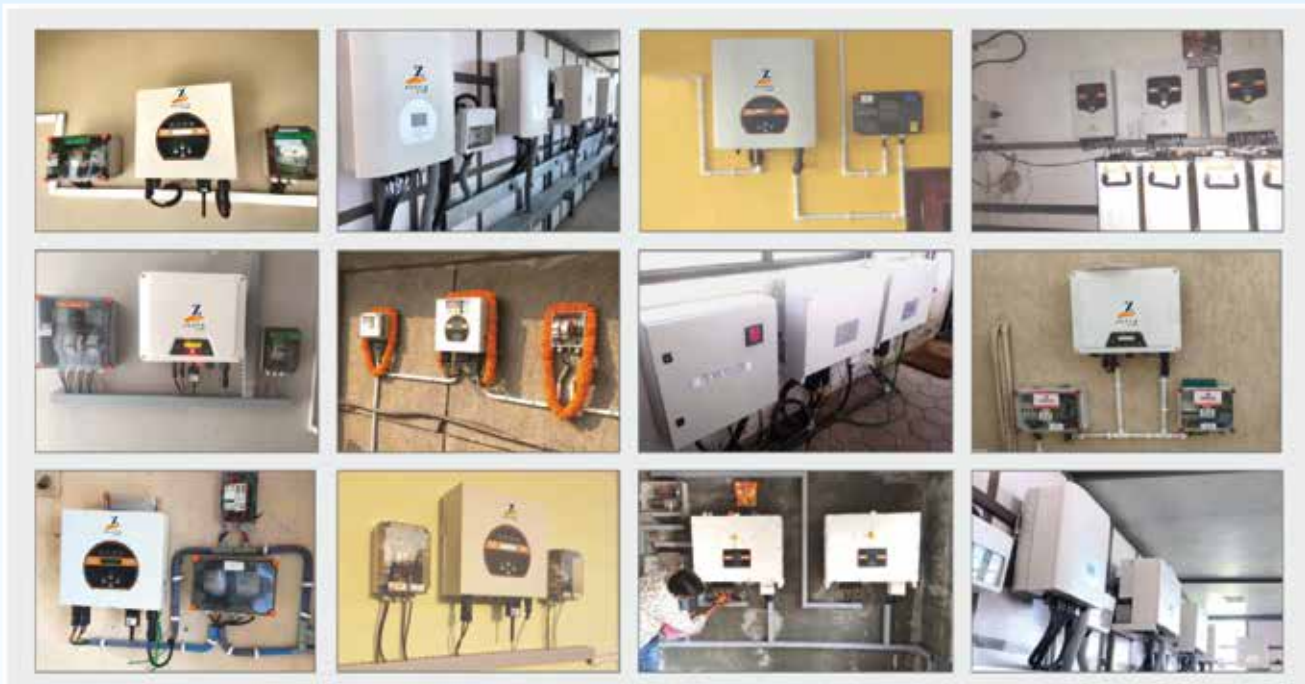
SOLAR GRID TIED INVERTER

SOLAR GRID TIED INVERTER

1 KW - 100 KW



INSTALLATIONS



SOLAR GRID TIED INVERTER

5G-PRO Grid -Tie Inverter

India's most reliable & Compact 5th generation (5G-PRO) Grid-Tied Inverter .



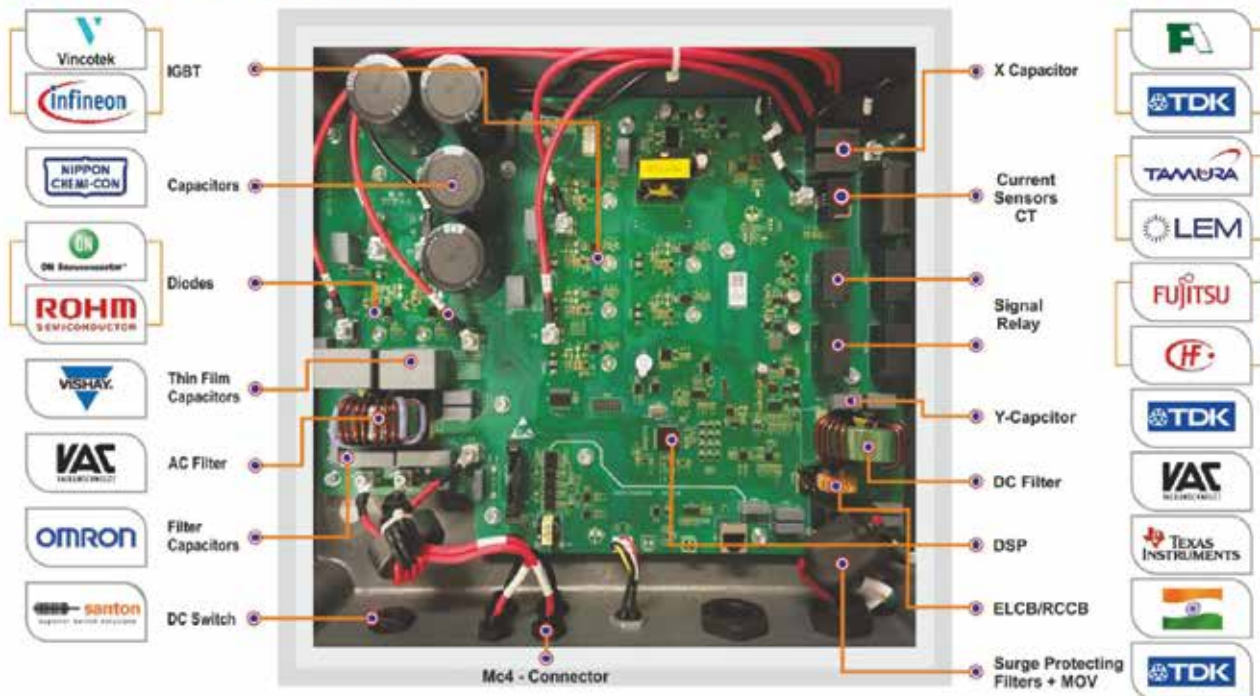
- » **Zero defect** service free product with standard **8 Year warranty**
- » Robust Technology with new Aluminum Alloy Die-Casting with **IP 65**
- » Ultra-Light, easy to install and monitor all the parameters.
- » Extra high **DC overloading** feature upto 40%
- » All PCB's are tested with **ICT & FCT** testing facility for **100% fail proof**
- » New **3rd Generation Texas DSP**: Dual Core 2x CPU + 2x CLA for fast sampling
- » Optimized natural cooling with **SNHM** technique
- » Full integrated all in 1 PCBA + **Conformal Coating** for long life and less wires with easy maintenance & **High Reliability**
- » Very high spike, surge protecting, capacity, **EMI/RFI** reduction.
- » Smart Algorithm control: Maximizes generation due to multiple & wider MPPT design.



AC/DC Amorphous Inductors



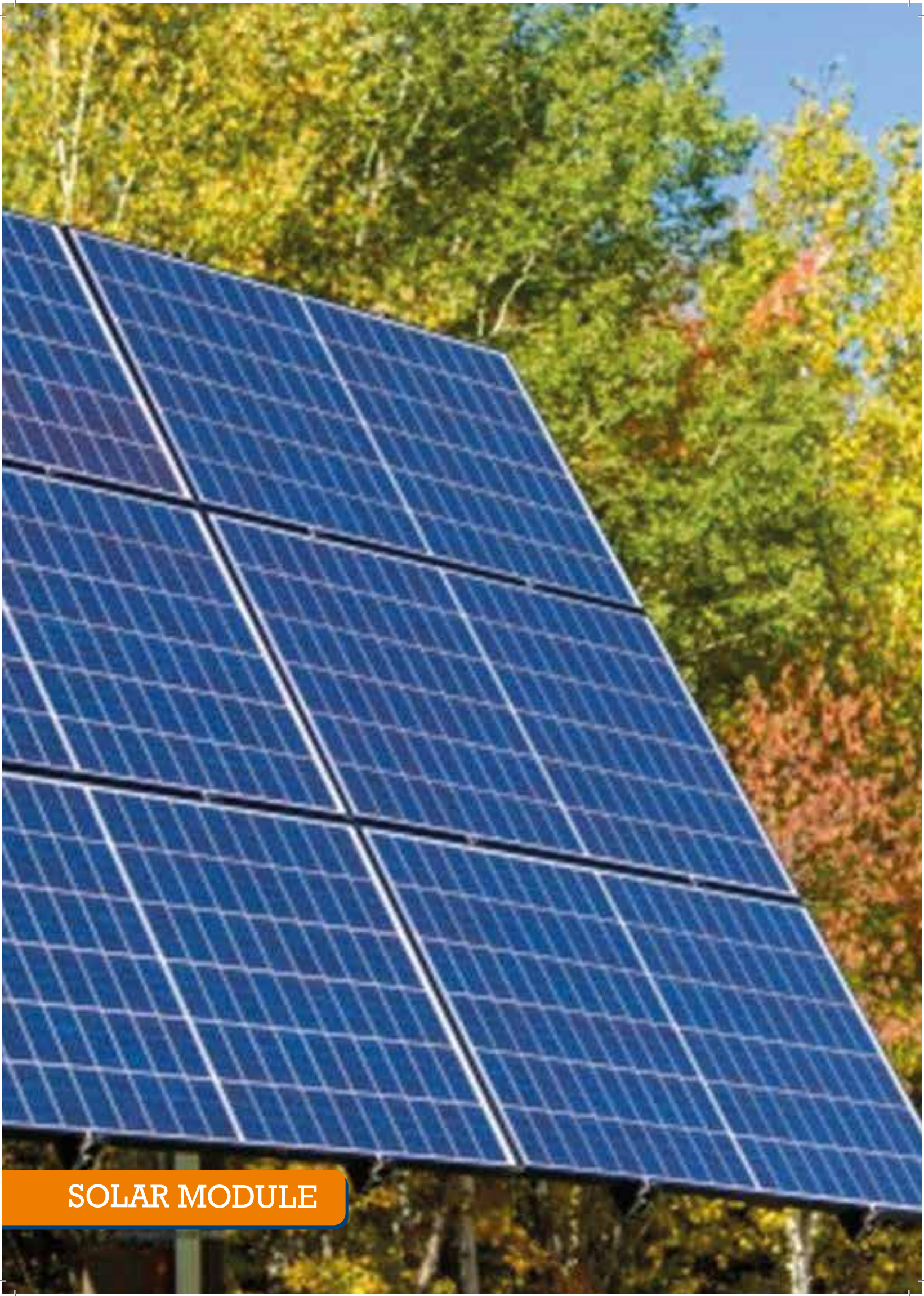
Technology & Key Suppliers



SOLAR GRID TIED INVERTER

TECHNICAL DATASHEET

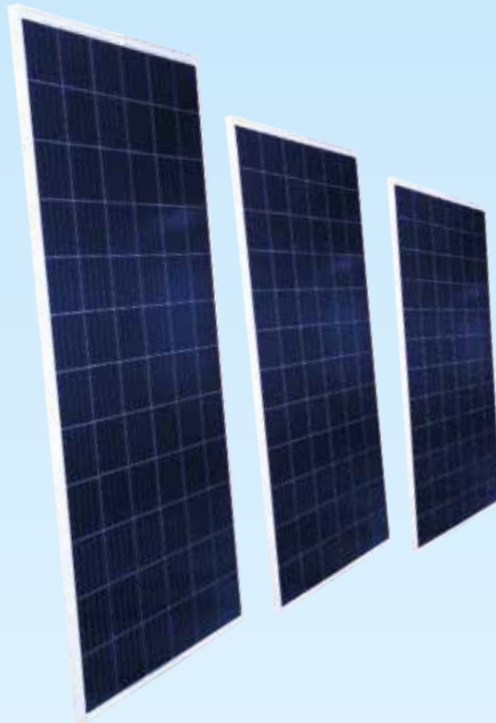
Model	Single Phase																		Three Phase																				
	(KW)	1	2	3	4	5	6	1.2	2.2	2.3	3.2	3.3	3.6	3.8	4.2	4.6	5.2	5.3	6.2	5	6	7	8	10	12	15	18	20	25	25	33	35	40	50	60	70	75	80	100
Input (DC)																																							
Max Peak DC Input Power (KW)	1.1	2.2	3.3	4.4	5.5	6.6	1.1	2.2	2.3	3.2	3.3	3.9	3.8	4.4	5.06	5.5	5.83	6.6	6.5	7.8	9.1	10.4	12	13.2	15.5	20	22	27.5	27.5	36	38.5	44	55	66	77	82.5	88	110	
Max. DC I/P (V dc)	500V DC			500/600V DC			500V DC			500/600V DC									1000V DC						1000V DC						1000V DC								
Max. MPPT I/P Current(A)	10A		10A		10A		10A						10A						10A		10A/10A+20A		10A		28.5A		28.5A		28.5A		34A		34A		34A		34A		
MPPT Short Circuit Current(A)	15A																		15A						15/26A		26A		36A		37 Ampr								
MPPT Tracking Voltage(Vdc)	100-580V																		100-580V						200-850V						200-1000V								
Min. Start Voltage(V)	100/120V																		100/120V						250V DC						250V DC								
Number of MPPT Tracker	1		2		1		2						2						2		3		3/4		4		4		4		4		4		4		4		
Strings per MPPT Trackers	1		1		1		1						1						1		1		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		
Output (AC)																																							
Rated output power (KW)	1	2	3	4	5	6	1	2	3	3.3	3.6	3.8	4	4.6	5	5.3	6	5	6	7	8	10	12	15	18	20	25	25	33	35	40	50	60	70	75	80	100		
Rated Grid Voltage(V)	230V																		230V						400 VAC						400 VAC								
Nominal Grid freq. (Hz)	50Hz																		50Hz						50Hz						50Hz								
Max. output current AC(A)	4.37	8.69	13	17.4	21.7	26	4.37	8.69	8.69	13	14.34	15.6	16.52	17.4	20	21.7	23.04	26	7.2	8.7	10.3	11.6	14.5	17.4	21.7	26.1	29	36.2	36.2	47.8	50.7	58	72.4	87	101.4	108.7	115.9	144.5	
AC Connection (With PE)	P + N + E																		P + N + E						3P + N + E						3P + N + E								
THDI (%)	2.5-5%																		2.5-5%						2.5-5%						<3%								
Output Power factor(%)	≥0.99%																		≥0.99%						≥0.99%						≥0.99%								
Efficiency																																							
Max. conversion eff. (%)	97.5		97.6		97.5		97.6						98%						97%																				
Max. Euro Efficiency(%)	97																		97.50%						98.5		98.2		98.2										
Max. MPPT Efficiency (%)	≥99%																		≥99%						≥99%		≥99%		≥99%										
Physical Parameters																																							
Dimensions(LXWXH) mm	310x330x115			310x330x172			310x330x115			310x330x172									385x453.30x177.13			380x435x190		400x520x240			485x630x270			520x700x270			577x838x323						
Weight (Kg)	6		11		6		11						18						18		31			38			68			80			83						
Enclosure Color	PANTONE Cool Grey 3 C																		PANTONE Cool Grey 3 C						PANTONE Cool Grey 3 C						PANTONE Cool Grey 3 C								
Color Thickness	100-250(micron)																		100-250(micron)						100-250(micron)						100-250(micron)								
General Data																																							
Operating Temperature	-25° to +60°																		-25° to +60°						-25° to +60°						-25° to +60°								
Operating Surrounding Humidity	0-100%																		0-100%						0-100%						0-100%								
Design Life	Over 25 Years																		Over 25 Years						Over 25 years						Over 25 years								
Night Con. (W)/Noise Level	≤0.2/≤30dB																		≤0.2/≤30dB						≤0.2/≤30dB						≤0.2/≤30dB								
Heat Dissipation	Natural Convection																		Natural Convection						Natural Convection						Intelligent Forced Cooling + Natural Convection								
RH/Max. Altitude	0% to 98%, No Condensation/≤2000 without power derating																		0% to 98%, No Condensation/≤2000 without power derating						0% to 98%, No Condensation/≤2000 without power derating						0% to 98%, No Condensation/≤2000 without power derating								
Display	Graphical-LED with LCD Display																		Graphical-LED with LCD Display						Graphical-LED with LCD Display						Graphical-LED with LCD Display								
DC /AC Connector (IP-65)	MC-4																		MC-4						MC-4						MC-4								
Communication interface	WiFi/GPRS/RS 485/RS 232/ETHERNET LAN																		WiFi/GPRS/RS 485/RS 232/ETHERNET LAN						WiFi/GPRS/RS 485/RS 232/ETHERNET LAN/ Local Monitoring						WiFi/GPRS/RS 485/RS 232/ETHERNET LAN/ Local Monitoring								
Standard Warranty	5 Years (extendable upto 10 Year)																		5, 7 Years (extendable upto 10 Year)						7 Years (extendable upto 10 Year)						7 Years (extendable upto 10 Year)								
Standards, Safety & Protections																																							
DC Switch	Optional																		Inbuilt						Inbuilt						Inbuilt								
SPD (surge Protection Device)	Type - 3 SPD (With GDT optional)																		Type-3 SPD (With GDT optional)						Type-2 / Type-3 SPD / GDT						Type-2 / Type-3 SPD / GDT								
MPPT Efficiency	IEC 61683																		IEC 61683						IEC 61683						IEC 61683								
Inverter Efficiency	IEC 61683																		IEC 61683						IEC 61683						IEC 61683								
Over Voltage Category	IEC 62109-1																		IEC 62109-1						IEC 62109-1						IEC 62109-1								
Safety Standard	IEC 62109-1&2																		IEC 62109-1&2						IEC 62109-1&2						IEC 62109-1&2								
EMC Standard	IEC1000-6-1/2/3/4																		IEC1000-6-1/2/3/4						IEC1000-6-1/2/3/4						IEC1000-6-1/2/3/4								
Environment Protection	IEC 60068-2-1/2/14/15																		IEC 60068-2-1/2/14/15						IEC 60068-2-1/2/14/15						IEC 60068-2-1/2/14/15								
Anti-Islanding	IEC-62116																		IEC-62116						IEC-62116						IEC-62116								
Ingress Protection	IP 65																		IP 65						IP 65						IP 65								
Protection & Safety	PV Lightning,DC input short circuit,DC O/V & U/V,Insulation Resistance detection,RCCB/EICB, Output Over /Under voltage,Output Over current, Output Over/Under frequency, Over temperature, GDT (optional), SPD as per requirement Type-1&2, AC output PF control,AC output power control by using external limiter for zero export protection,Defined remote Grid monitoring setting & Anti-Islanding.																																						



SOLAR MODULE

SOLAR MODULE - POLYCRYSTALLINE

ZENP 55Wp/12V - 340Wp/24V



FEATURES

- ✓ Positive Tolerance
- ✓ High Module Efficiency
- ✓ Strong Compressive Strength
- ✓ High Manufacturing Standards
- ✓ Fire Test Approved
- ✓ Excellent Performance Under Extreme Conditions
- ✓ Reliable Quality Forever

KEY FEATURES



0/ +3W

Positive Tolerance



High Module Efficiency

PRODUCT INFORMATION

Model	ZEN P55/12V	ZEN P100/12V	ZEN P170/12V	ZEN P340/24V
Peak Power Pmax (Wp)	55	100	170	340
Maximum Voltage Vmpp (V)	18.50	18.00	23.25	39.62
Maximum Current Impp (A)	2.72	5.66	9.36	8.65
Open Circuit Voltage Voc (V)	22.00	22.20	18.85	46.98
Short Circuit Voltage Isc (A)	3.15	6.06	9.05	9.22
Module Efficiency (%)	13.88	14.89	17.38	17.49
Dimension in mm (LxWxH)	545x665x34	1010x670x34	1490x665x34	1970x990x40
Weight in KG (+/- 5%)	-	9.5	-	21

SOLAR MODULE - POLYCRYSTALLINE

ZENP9BB 420W_p/12V

9 BB

SOLAR MODULE
72(12X6) Model- ZEN- 420W_p



Technology

Odin System Pvt Ltd is one of the leading organization of Solar Photovoltaic (SPV) modules. Providing impeccable quality at the most competitive price has been its Unique Selling Proposition for which it has established a rigorous standard of acceptance as reflected in the data sheets.

Quality

We at Odin System use high efficiency Solar Cells for consistent high quality output. We are committed to work with the highest quality product and providing the right technology to our customers for their required applications.

Besides Odin System has a quality management system compliance with International Quality system ISO 9001:2015 & 14001:2015, 45001:2018.

Technical Product Information

- Our modules are made using the highest quality of solar cells which are sourced from renowned & best suppliers in the world.
- Superior reliability with IP65 protection in all junction boxes with Bypass Diodes as per EN 50548:2011+A1 standard for 35W and above, modules with a system voltage of 1500V
- Cells Protected by high transmittance, low-Iron Fully tempered glass with anti-reflective coating to improve light transmission and a layer of Tedlar and EVA to laminate (protects from environmental damage).
- Anodized Aluminum frame with screw less frame for high mechanical strength to protect the laminate and provide base for mounting structure.
- IP67 rated MC4 Compatible prewired connectors.



An ISO 9001:2015 & 14001:2015, 45001:2018
Certified Company

DATA SHEET FOR POLY CRYSTALLINE PHOTOVOLTAIC MODULES

ELECTRICAL CHARACTERISTICS OF SPV MODULES

Maximum Power at STC(Pmax)	420Wp (-0 to +1%)
Open circuit Voltage(Voc)	48.0V
Voltage at maximum power(Vmp)	40.1V
Short Circuit current (Isc)	10.59A
Current at maximum power Imp)	9.99A
Maximum Module Efficiency (%)	18.42%
Operating Temperature	40°C to +85°C
Maximum System Voltage	1500VDC
Maximum Series Fuse Rating	15A

STC: Irradiance 1000W/ m2, Module Temperature 25°C, AM 1.5

MECHANICAL DIMENSIONS

Solar Cells	Poly-Crystalline 166mm X166mm
Cells per module	72(12X6)
Dimensions(mm x mm x mm)	2093X1041X35
Weight Approx (Kgs)	20.5
Front Glass	3.2 mm Tempered
Frame	Anodized Aluminum Frame (Double Walled)
Junction Box	IP 67 rated
Output Cables	4 ² mm & MC4

TEMPERATURE COEFFICIENTS

NOCT	Temp Co Pmax	Temp Co Voc	Temp Co Isc
48±2°C	-0.42%/K	-0.33%/K	0.05%/K
Pmax: 284Wp Vmp: 37.5V	Isc:8.05A	Imp:7.62A	Voc: 45.0V
Note: NOCT Irradiance 800W/m² Ambient Temp: 20°C Wind Speed: 1m/sec			

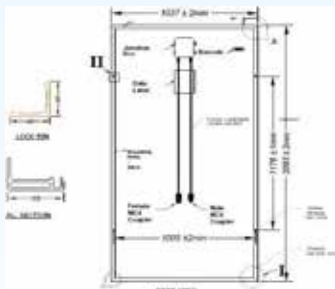
CERTIFICATIONS

**ISO 9001:2015 &
14001:2015,45001:2018**

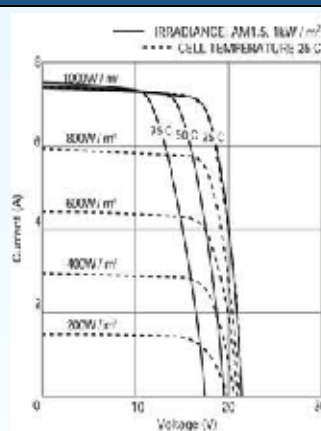
WARRANTY

10 Years Warranty on Material and workman. 25 Years warranty on Power output. 90% of the rated power is guaranteed for a period of 12 years and 80% of the rated power is guarantee over a period of 25 years.

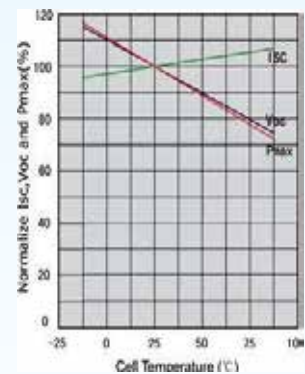
Module size:2093x1041x35



VOLTAGE CHARACTERISTICS IRRADIANCE LEVELS



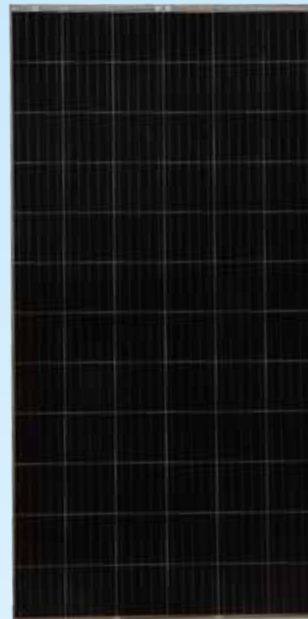
TEMPERATURE DEPENDENCE OF ISC, VOC, PMAX



Note: The data presented may change due to further improvements in the product.

SOLAR MODULE - MONO PERC

ZENBP 200W_p/12V - ZENMP 425W_p/24V



FEATURES

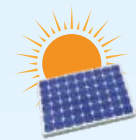
- ÿ Positive Tolerance
- ÿ High Module Efficiency
- ÿ Strong Compressive Strength
- ÿ High Manufacture Standards
- ÿ Fire Test Approved
- ÿ Excellent Performance Under Extreme Conditions
- ÿ Reliable Quality Forever

KEY FEATURES



0/ +3W

Positive Tolerance



High Module Efficiency

PRODUCT INFORMATION

Model	ZENMP 200/12V	ZENMP 425/24V
Peak Power P _{max} (W _p)	200	425
Maximum Voltage V _{mpp} (V)	19.50	49.60
Maximum Current I _{mpp} (A)	9.24	9.72
Open Circuit Voltage V _{oc} (V)	23.90	42.40
Short Circuit Voltage I _{sc} (A)	9.73	10.17
Module Efficiency (%)	18	20.03
Dimension in mm (LxWxH)	1495x670x35	1985x1000x35
Weight in KG (+/- 5%)	13.50	23.00

SOLAR MODULE-BIFACIAL

ZENB 425W/24V

BIFACIAL SPECIFICATIONS

Electrical Characteristics	425Wp
Peak Power (WP)	425
Open Circuit Voltage (VOC) (V)	44.5
Short Circuit Current (Isc) (A)	11.64
Voltage at maximum Power (Vmp) (A)	38.21
Current at maximum power (Imp) (A)	11.08
Power Tolerance	(-0. + 10W)
Module Size L x W x H x (mm)	1985 x 1003 x 35

Irradiance 1000Wm², Temperature 25 °C, AM 1.5

Module Efficiency	≥20.75
-------------------	--------

BIFACIAL OUTPUT -REAR SIDE POWER GAIN

Maximum Power (pmp)	440
Module Efficiency (STC) (5%)	21.78
Maximum Power (pmp) (483
Module Efficiency (STC) (15%)	23.84
Maximum Power (pmp)	525
Module Efficiency (STC) (25%)	25.92

TEMPERATURE CHARACTERISTICS

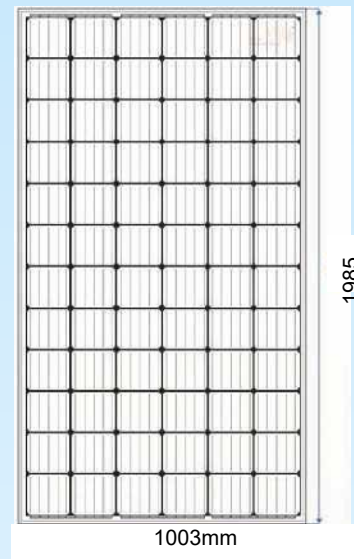
Pmax Temperature Coefficient	-0.29%/°C
Voc Temperature Coefficient	-0.23%/°C
Isc Temperature Coefficient	0.07%/°C
Operating Temperature	-40°C To +85°C
Nominal Operating Temperature	45 + 2°C
Bifacial Factor	70 +/-5%

Mechanical specification:

External Dimensions	1985 x 1003 x 35
Weight	23 kg
Solar Cells	Mono PERC Crystalline 158.75 x 158.75mm
Front Cover	3.2mm HighTransmission, Low Iron, Tempered Glass
Frame	Anodized Aluminium Alloy
Junction Box	3 Split , IP68 Rated
Output Cable	4.0 Sqm
Connector	MC4 Compatible
Mechanical Load	5400 PA for Snow Load. 2400 PA Wind Load
Cell Encapsulate	Ethylene Vinyl Acetate (PID)
Back Cover	Composite film

PACKING CONFIGURATION

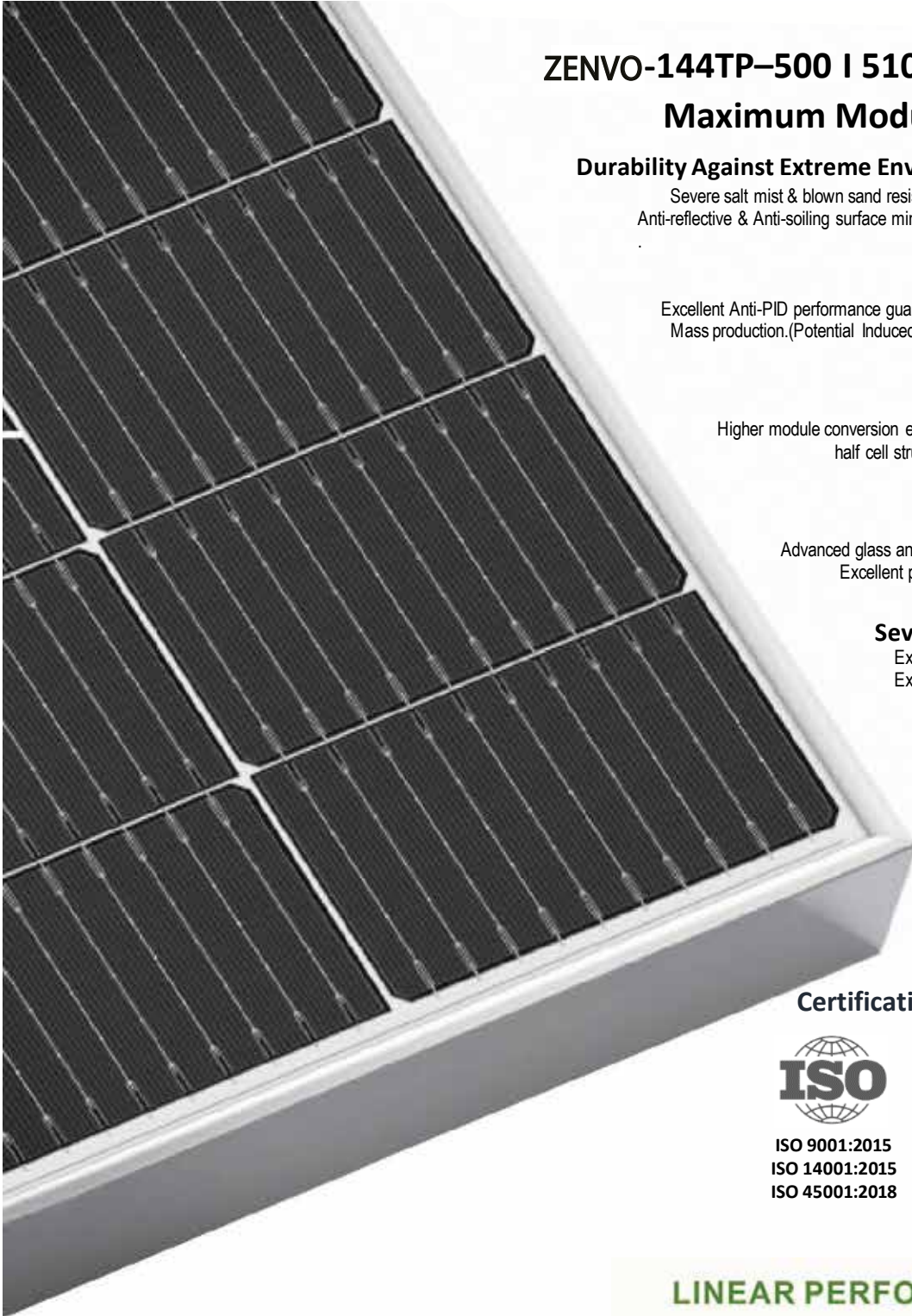
Container	20GP	40GP
Pieces per pallet	35	35
Pallets per Container	10	22
Pieces per Container	250	550



KEY FEATURES:

- 5 Busbar Solar Cell
- Higher Lifetime Power Yield
- Light weight design due to transparent backsheet
- Better low-light performance
- Up to 25% power gain depending on albedo and PV system design

SOLAR MODULE-MONO PERC HALF CUT 10BB



ZENVO-144TP-500 | 510 | 520 | 530 | 540 | 550 Maximum Module Efficiency - 21.28%

Durability Against Extreme Environmental Conditions

Severe salt mist & blown sand resistance for seaside, farm and desert. Anti-reflective & Anti-soiling surface minimize power loss from dirt and dust.



PID Resistance

Excellent Anti-PID performance guarantee limited power degradation for Mass production.(Potential Induced Degradation) under test conditions.



High Efficiency

Higher module conversion efficiency(up to 21.28%) benefit from half cell structure(low resistance characteristic).



Low-light Performance

Advanced glass and cell surface textured design ensure Excellent performance in low-light environment.



Severe Weather Resilience

Excellent Snow load 5400Pa resistance.
Excellent Wind load 2400Pa resistance.



Certifications :



ISO 9001:2015
ISO 14001:2015
ISO 45001:2018



IS 14286:2010/IEC 61215 : 2005
IS/IEC 61730 (Part 1) : 2004
IS / IEC 61730 (Part 1) : 2004



R-63000922

- Odin System Private Limited, incorporated in April 2019 is aiming to become the No.1 choice of customers & business partners for Renewable Energy, Power Backup Solutions along with providing complete range of domestic appliances.
- As one of the leading PV enterprises in the world, ZENVO has delivered more than 600MW Solar Photo Voltaic Modules to residential, commercial, utility and off-grid projects all around the world.
- Through strict selection of raw materials, stringent quality control and rigorous test in state of the art facilities in Hyderabad and TELANGANA, INDIA. ZENVO has always committed to higher efficiency, more stable and better cost performance products.

LINEAR PERFORMANCE WARRANTY

12 years Product Warranty / 30 year Linear Power Warranty



ZENVO product warranty is 12 years instead of 10 years given by many competitors.

Electrical characteristics at Standard Test Conditions (STC)

MODEL	ZENVO-144TP-500	ZENVO-144TP-510	ZENVO-144TP-520	ZENVO-144TP-530	ZENVO-144TP-540	ZENVO-144TP-550
Maximum Power - Pmax	500	510	520	530	540	550
Open Circuit Voltage – Voc (V)	49.46	49.48	49.50	49.52	49.53	49.60
Short Circuit Current – Isc (A)	12.48	12.70	12.94	13.18	13.43	13.65
Voltage at Maximum Power – Vmp (V)	43.36	43.38	43.40	43.43	43.45	43.52
Current at Maximum Power – Imp (A)	11.54	11.77	11.99	12.21	12.43	12.64
Cell Efficiency	22.20	22.40	22.60	22.80	23.00	23.20
Module Efficiency	19.32	19.70	20.09	20.48	20.81	21.19

*Standard Test Conditions(STC) : irradiance 1000W/m² ; cell temperature 25°C, AM 1.5G. The mentioned Power output is measured and determined by SSSPL at its sole and absolute discretion.

Electrical Characteristics at Nominal Module Operating Temperature (NMOT)

MODEL	ZENVO-144TP-500	ZENVO-144TP-510	ZENVO-144TP-520	ZENVO-144TP-530	ZENVO-144TP-540	ZENVO-144TP-550
Maximum Power - Pmax	372.12	379.56	387.00	394.44	401.88	409.33
Open Circuit Voltage – Voc (V)	45.99	46.01	46.02	46.03	46.06	46.12
Short Circuit Current – Isc (A)	10.20	10.38	10.57	10.77	10.97	11.15
Voltage at Maximum Power – Vmp (V)	39.66	39.69	39.69	39.72	39.74	39.80
Current at Maximum Power – Imp (A)	9.39	9.58	9.76	9.94	10.12	10.29

* Nominal Operating Module temperature (NOCT) : irradiance 800W /m²; Wind speed 1 m/s, Ambient temperature 20°C.

Temperature Characteristics		Maximum Ratings	
Voltage Temperature Coefficient β	- 0.2730 %/°C	Maximum system voltage (VDC)	1500VDC
Current Temperature Coefficient α	+ 0.0437 %/°C	Series fuse rating (A)	25 A
Power Temperature Coefficient γ	- 0.3348 %/°C	Reverse Current overload (A)	40 A

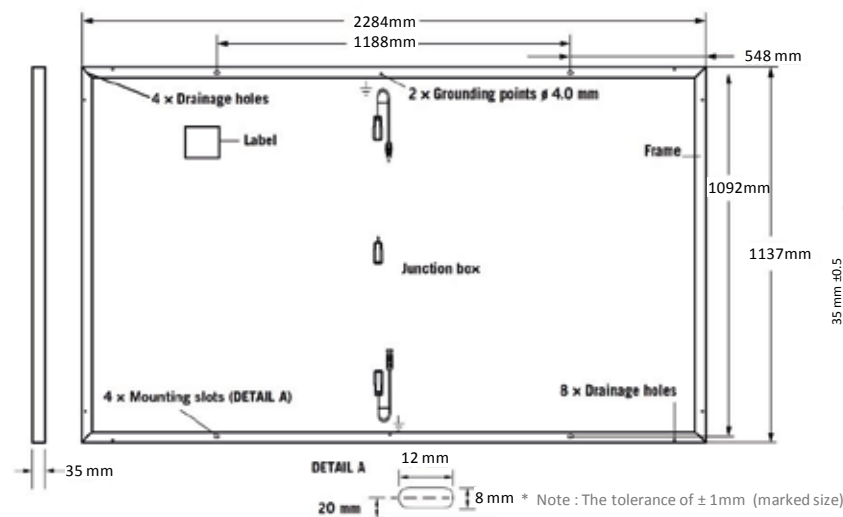
Mechanical characteristics

Dimensions (mm)	2284 X 1136 X 35 mm
Weight (Kgs)	27.60 Kgs
Front Glass	High Transmittance, Low Iron toughened Glass – 3.2mm Thickness
Cell Encapsulation	EVA (Ethylene – Vinyl-Acetate)
Back Sheet	Composite Film Tedlar White Back sheet (Optional Transparent Back sheet / Black Back sheet)
Number of Cells	MONO PERC Solar Cells 10-BUSBAR, 91 X 182 mm, 144 Cells , (6X12 Matrix – 2 nos)
Junction Box	IP68, 3 By Pass Diodes, IEC 60529 and Safety Class II
Cable & Connector	2 X 4mm ² , Compatible with MC4, Positive (+) 400mm/ Negative (-)400mm
Frame	Silver Mat Anodized aluminum, Alloy Type 6063 T5

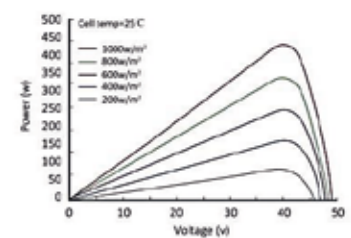
System Design		PACKING CONFIGURATION	
Temperature Range	-40°C to 85°C	Pieces per Pallet	26 No's
Wind / Snow load Capacity	2400Pa / 5400 Pa	Container 40' HC	572 No's
Application Class	Class A	Packaging box dimensions (LXWXH)	2300X1180X1100mm
Safety Class	Class II		

Note: Please refer the instruction manual in this entirely before handling, Installing and operating SSSPL Solar Modules.

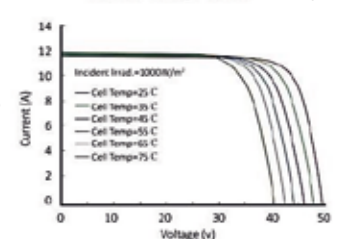
PHYSICAL CHARACTERISTICS



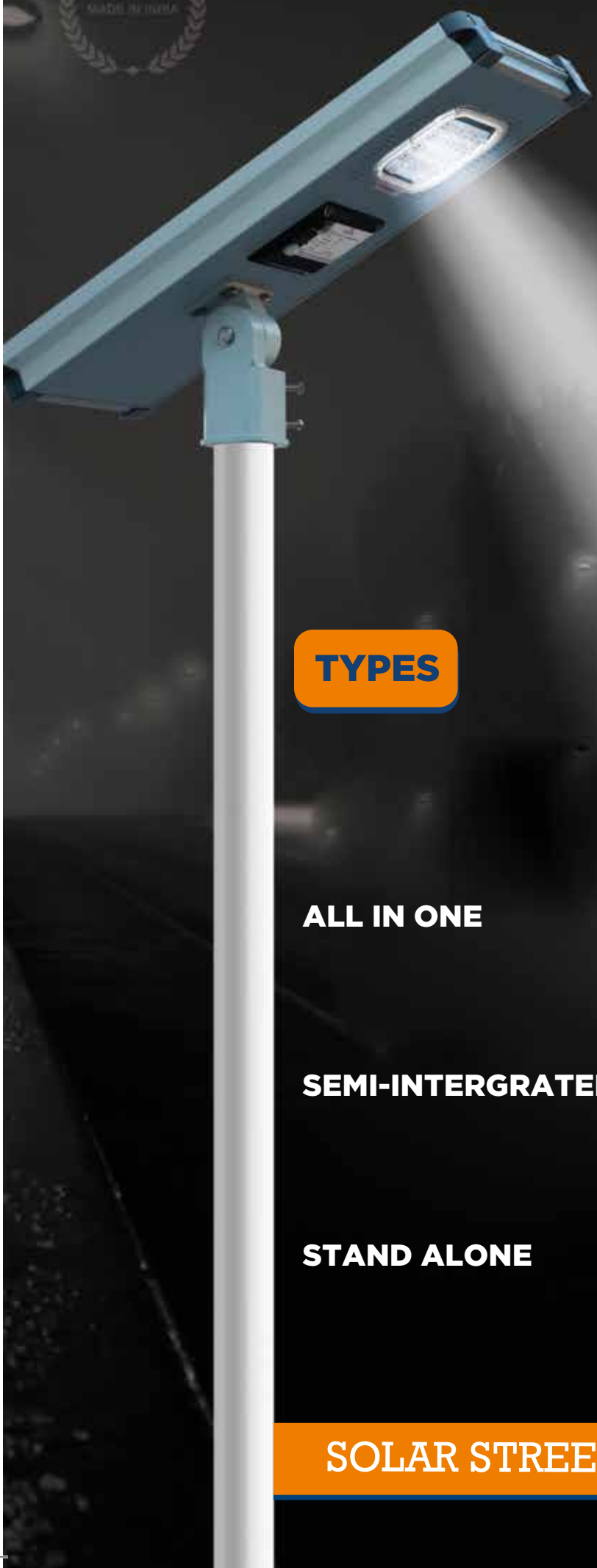
Power-Voltage Curve (550Wp)



Current-Voltage Curve (550Wp)



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TYPES

ALL IN ONE



SEMI-INTERGRATED



STAND ALONE



SOLAR STREET LIGHT

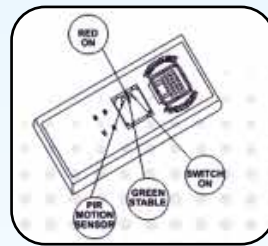
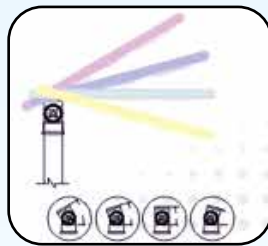
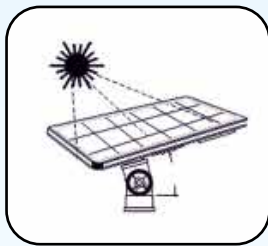
ALL IN ONE



25W-30W LED
SPV-100WP

AIO WITH CAMERA
SPV-75WP

9W-15W LED
SPV-40WP



PRODUCT INFORMATION

Adjust solar panel facing to sun (south) to charge the battery	adjust the mounting clamp according to the site	after installation switch "ON" the product	Solar panel senses the darknes and it turns "ON" the light automatically
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ALL IN ONE

TECHNICAL SPECIFICATION

Description	12W	18W	20W	25W
Product Code	DS 12W Polaris	DS 18W Polaris	DS 20W Polaris	DS 25W Polaris
LED Wattage	12W LED	18W LED	20W LED	25W LED
Solar Panel Mono	40W Mono	50W Mono	60W Mono	75W Mono
Lithium Battery	12.8V 12Ah	12.8V 18Ah	12.8V 18Ah	12.8V 24Ah
Charge Controller Type	MPPT	MPPT	MPPT	MPPT
Luminous Flux/W	120Lm to 150Lm	120Lm to 150Lm	120Lm to 150Lm	120Lm to 150Lm
Product Dimensions	775MMx345MMx60MM	920MMx345MMx60MM	1060MMx345MMx60MM	1280MMx345MMx60MM
Packing Dimensions	965MMx425MMx150MM	1110MMx425MMx150MM	1250MMx425MMx150MM	1465MMx425MMx150MM
Weight	10KG	12.8KG	15KG	17.0KG

Description	40W	50W	60W	80W
Product Code	DS 40W Polaris	DS 50W Polaris	DS 60W Polaris	DS 80W Polaris
LED Wattage	40W LED	50W LED	60W LED	80W LED
Solar Panel Mono	100W Mono	120W Mono	150W Mono	180W Mono
Lithium Battery	12.8V 36Ah	12.8V 48Ah	12.8V 54Ah	12.8V 66Ah
Charge Controller Type	MPPT	MPPT	MPPT	MPPT
Luminous Flux/W	120Lm to 150Lm	120Lm to 150Lm	120Lm to 150Lm	120Lm to 150Lm
Product Dimensions	1680MMx345MMx60MM	1360MMx560MMx60MM	1550MMx560MMx60MM	1840MMx560MMx60MM
Packing Dimensions	1865MMx425MMx150MM	1550MMx640MMx150MM	1740MMx620MMx150MM	2030MMx620MMx150MM
Weight	25KG	27KG	32KG	33.6KG
Indications	Green Indication for Battery Charging & Battery Full, Red indication for Battery Low			
Standard Dimming Operation	Light will glow in full Bright mode for first 4 Hrs., after 4Hrs. Light will dim to 33% Power. In case light is supplied with motion sensor, then if any motion is detected in 12M area around the light, then light will glow in full mode for 2min and after that it will again come to 33% Power.			

PRODUCT INFORMATION

MONO CRYSTALLINE SOLAR PANEL

ADJUSTABLE MOUNTING BRACKET

UNIQUE CONTROLLER BOX

MPPT CONTROLLER



SEMI INTEGRATED

“Newlite Semi Integrated” Solar Street light is a compact lighting solution integration high power LED & Lithium Battery in one aluminium die cast fixture. Solar panel is mounted on the top of the pole. It is very easy to install and low on maintenance.



**ROBUST FIXTURE
ALUMINIUM DIE CAST**

INBUILT MPPT DRIVER

**INBUILT LITHIUM BATTERY
UPTO 54AH LIFEPO4**

**OPTION OF PIR MOTION
SENSOR, CCTV & RMS**

IP66 RATED



SEMI INTEGRATED

TECHNICAL SPECIFICATION

Product Code	LED Watt	Charge Controller Type	1 Day Autonomy		2 Days Autonomy	
			Lithium Ferro Phosphate Battery	SPV	Lithium Ferro Phosphate Battery	SPV
DS - 7W LED Newlite	7W	PWM / MPPT	Li-FePO4 12.8V 6AH	SPV 30W	Li-FePO4 12.8V/12AH	SPV 30W
DS - 9W LED Newlite	9W	PWM / MPPT	Li-FePO4 12.8V 12AH	SPV 40W	Li-FePO4 12.8V/12AH	SPV 40W
DS - 12W LED Newlite	12W	PWM / MPPT	Li-FePO4 12.8V/12AH	SPV 50W	Li-FePO4 12.8V/18AH	SPV 50W
DS - 15W LED Newlite	15W	PWM / MPPT	Li-FePO4 12.8V/18AH	SPV 60W	Li-FePO4 12.8V/24AH	SPV 75W
DS - 20W LED Newlite	20W	PWM / MPPT	Li-FePO4 12.8V/18AH	SPV 75W	Li-FePO4 12.8V/30AH	SPV 100W
DS - 24W LED Newlite	24W	PWM / MPPT	Li-FePO4 12.8V/24AH	SPV 75W	Li-FePO4 12.8V/36AH	SPV 100W
DS - 30W LED Newlite	30W	PWM / MPPT	Li-FePO4 12.8V/30AH	SPV 100W	Li-FePO4 12.8V/42AH	SPV 120W
DS - 36W LED Newlite	36W	PWM / MPPT	Li-FePO4 12.8V/36AH	SPV 120W	Li-FePO4 12.8V/48AH	SPV 150W
DS - 40W LED Newlite	40W	PWM / MPPT	Li-FePO4 12.8V/42AH	SPV 150W	Li-FePO4 12.8V/54AH	SPV 180W
DS - 50W LED Newlite	50W	PWM / MPPT	Li-FePO4 12.8V/48AH	SPV 200W	NA.	NA.

PRODUCT INFORMATION

Standard	Light will glow in full Bright mode for first 4 Hrs. after 4 Hrs Light will dim to 33% Power.
Dimming	In case light is supplied with motion sensor, then if any motion is detected in 12M area around the light,
Operation	then light will glow in full mode for 2min and after that it will again come to 33% Poer.
Lumens per watt	Options available with 100Lm to 150Lm.
IP Protection	IP65 Tested
Driver efficiency >92%	
Protection	Battery Deep Discharge, Over Charge Protection, Open load Protection, Reverse Current Flow Protection, Short Circuit Protection and Temperature Compensation
CCT	5500-6500K
	Green Indication for Battery Charging & Battery Full, Red Indication for Battery Low
CCTV Camera	Optional
Pole Material	5Mtr-6Mtr. Hot Dip Galvanized Pole, 76MM OD, 2.2 to 3.6MM thicness

STAND ALONE

TECHNICAL SPECIFICATION



MASTER



ORION



TECHNO-BIG



DOLPHIN



ELITE



ECO

Product Code	Recommended Solar Panel*	Lithium Battery*	Backup with Lithium Battery*	Tubular lead acid Battery	Charge Controller Type	Lumens Per Watt	Weight	Standard Packing
DS - 7W LED ORION	40W	12.8V 12AH	18 Hrs.	12V 40AH	PWM/MPPT	100-140 Lm/w	0.82KG	300MMx100MMx85MM
DS - 9W LED ORION	40W	12.8V 12AH	18 Hrs.	12V 40AH	PWM/MPPT	100-140 Lm/w	0.82KG	300MMx100MMx85MM
DS - 12W LED ORION	40W	12.8V 18AH	18 Hrs.	12V 40AH	PWM/MPPT	100-140 Lm/w	0.82KG	300MMx100MMx85MM
DS - 12W LED EESL	75W	12.8V 30AH	36 Hrs.	12V 40AH	PWM/MPPT	100-140 Lm/w	0.82KG	300MMx100MMx85MM
DS - 20W LED ORION	60W	12.8V 30AH	18 Hrs.	12V 40AH	PWM/MPPT	100-140 Lm/w	0.82KG	300MMx100MMx85MM
DS - 24W LED DOLPHIN	75W	12.8V 36AH	18 Hrs.	12V 60AH	PWM/MPPT	100-140 Lm/w	1.4KG	390MMx140MMx75MM
DS - 30W LED DOLPHIN	100W	12.8V 42AH	18 Hrs.	12V 60AH	PWM/MPPT	100-140 Lm/w	1.4KG	390MMx140MMx75MM
DS - 40W LED DOLPHIN	150W	12.8V 54AH	18 Hrs.	12V 75AH	PWM/MPPT	100-140 Lm/w	1.5KG	390MMx140MMx75MM
DS - 50W LED TECHNO	180W	12.8V 66AH	18 Hrs.	12V 75AH	MPPT	100-140 Lm/w	2.3KG	410MMx190MMx80MM
DS - 60W LED TECHNO/MASTER	200W	12.8V 78AH	18 Hrs.	12V 100AH	MPPT	100-140 Lm/w	2.3KG	410MMx190MMx80MM
DS - 70W LED MASTER	200W	12.8V 100AH	18 Hrs.	12V 150AH	MPPT	100-140 Lm/w	1.85KG	455MMx225MMx115MM
DS - 80W LED MASTER	200W	12.8V 120AH	18 Hrs.	12V 150AH	MPPT	100-140 Lm/w	1.85KG	455MMx225MMx115MM
DS - 90W LED ELITE	250W	12.8V 140AH	18 Hrs.	12V 150AH	MPPT	100-140 Lm/w	3.15KG	470MMx245MMx95MM
DS - 100W LED ELITE	250W	12.8V 150AH	18 Hrs.	12V 200AH	MPPT	100-140 Lm/w	3.15KG	470MMx245MMx95MM
DS - 120W LED ELITE	250W	12.8V 180AH	18 Hrs.	12V 200AH	MPPT	100-140 Lm/w	3.15KG	470MMx245MMx95MM

PRODUCT INFORMATION

Dimming	Light will glow in full Bright mode for first 4 Hrs. & After 4Hrs. Light will dim to 50% Power
IP Protection	IP65
Driver Efficiency	>92%
Protection	Green Indication for Battery Charging & Battery Full, Red Indication for Battery Low
Remote Monitoring	
System	Optional
Pole Material	5Mtr-6Mtr. Hot Dip Galvanized Pole, 76MM OD, 2.2MM to 3.6MM thickness

*Considering sun availability of 5Hrs/Day



BATTERY

TUBULAR INVERTER BATTERY

ENDEAVOUR 36+24
ENTT 18000/12V, 22000/12V, & 24000/24V



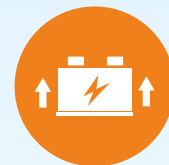
FEATURES

- Longevity
- Low Maintenance
- Good Electrical Performance
- Long back up
- High Temperature Resistance

KEY FEATURES



Long Battery Life



High Back-up
Charge Retainer

PRODUCT INFORMATION

Model	Capacity (Ah)	Dimension in mm (LxWxH)	Gross Weight (+/- 5%)
ENTT 18000	160	525x205x470	58 Kg
ENTT 22000	210	525x225x470	65 Kg

TUBULAR INVERTER BATTERY

DRU GOLD 24+24
 DGJT - 17000/12V, DGTT 18000/12V, 22000/12V, & 24000/12V



FEATURES

- Longevity
- Low Maintenance
- Good Electrical Performance
- Long back up
- High Temperature Resistance

KEY FEATURES



Low Maintenance



Latest Deep Cycle Technology

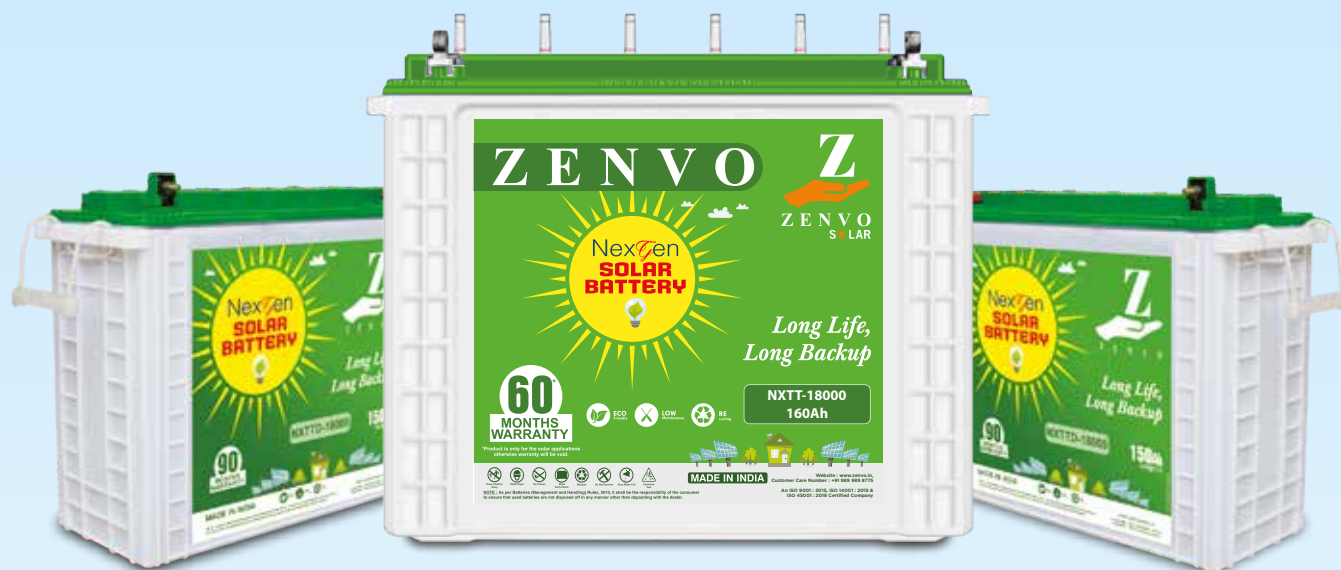
PRODUCT INFORMATION

Model	Capacity (Ah)	Dimension in mm (LxWxH)	Gross Weight (+/- 5%)
DGJT 17000	150	530x280x335	52 Kg
DGTT 18000	160	525x225x470	58 Kg

SOLAR TUBULAR INVERTER BATTERY

NEXGEN

NXST 5000-36month, NXTT 18000-60month



FEATURES

- Longevity
- Low Maintenance
- Good Electrical Performance
- Long back up
- High Temperature Resistance

KEY FEATURES



Long Battery Life



Long Battery Life

PRODUCT INFORMATION

Model	Capacity (Ah)	Dimension in mm (LxWxH)	Gross Weight (+/- 5%)
NXST 5000	40	165x72.5x105	19 Kg
NXTT 18000	160	525x205x470	62 Kg



HOME APPLIANCES

CEILING FAN



ATHENA

900MM (36") / 1200MM (48")

SUPPLY VOLTAGE	:	220-240V, AC, 50Hz
SWEEP	:	900MM (36") / 1200MM (48")
AIR DELIVERY	:	160 CMM \pm 5 / 200 CMM \pm 5
RPM	:	630 \pm 5% / 385 \pm 15%
POWER CONSUMPTION	:	75W \pm 5 / 78W \pm 5
CLASS	:	1
COLOUR	:	<input type="radio"/> IVORY <input checked="" type="radio"/> BROWN (Coffee) <input type="radio"/> White

APACHE PRO

1200MM (48")

SUPPLY VOLTAGE	:	220-240V, AC, 50Hz
SWEEP	:	1200MM (48")
AIR DELIVERY	:	200 CMM \pm 5
RPM	:	385 \pm 15%
POWER CONSUMPTION	:	78W \pm 5
CLASS	:	1
COLOUR	:	<input type="radio"/> IVORY <input checked="" type="radio"/> BROWN (Coffee) <input type="radio"/> White






CEILING FAN






PASSION PRO

1200MM (48")

SUPPLY VOLTAGE	:	220-240V, AC, 50Hz
SWEEP	:	1200MM (48")
AIR DELIVERY	:	200 CMM \pm 5
RPM	:	385 \pm 15%
POWER CONSUMPTION	:	78W \pm 5
CLASS	:	1
COLOUR	:	 IVORY  BROWN (Coffee)  White

PASSION PRO DLX.

1200MM (48")

SUPPLY VOLTAGE	:	220-240V, AC, 50Hz
SWEEP	:	1200MM (48")
AIR DELIVERY	:	200 CMM \pm 5
RPM	:	385 \pm 15%
POWER CONSUMPTION	:	78W \pm 5
CLASS	:	1
COLOUR	:	 IVORY  BROWN (Coffee)  White



STAND FAN

BULLET FARRATA

450MM (18")

SUPPLY VOLTAGE	:	220-240V, AC, 50Hz
SWEEP	:	450MM (18")
WEIGHT (GROSS)	:	8.5KG
RPM	:	2800 ±5%
POWER CONSUMPTION	:	155W ±5
CLASS	:	1
COLOUR	:	● DARK GREY

HIGH
SPEED



PEDESTAL FAN

500MM (20")

SUPPLY VOLTAGE	:	220-240V, AC, 50Hz
SWEEP	:	500MM (20")
WEIGHT (GROSS)	:	11KG
RPM	:	1400 ±5%
POWER CONSUMPTION	:	160W ±5
CLASS	:	1
COLOUR	:	● DARK GREY

HEATING APPLIANCES



IMMERSION WATER HEATER

IM-2010 / IM-2015 / IM-2020

SUPPLY VOLTAGE	:	220-240V, AC, 50Hz
POWER CONSUMPTION	:	1000W / 1500W / 2000W
WEIGHT (GROSS)	:	1KG

QUARTZ HEATER

QH-2048

SUPPLY VOLTAGE	:	220-240V, AC, 50Hz
POWER CONSUMPTION	:	800W (2 ROD)
WEIGHT (GROSS)	:	1.5KG



FAN HEATER

FH-2012

SUPPLY VOLTAGE	:	220-240V, AC, 50Hz
POWER CONSUMPTION	:	1000W / 2000W
WEIGHT (GROSS)	:	1.4KG

HEAT CONVECTOR

HC-2012M

SUPPLY VOLTAGE	:	220-240V, AC, 50Hz
POWER CONSUMPTION	:	2KW
WEIGHT (GROSS)	:	3KG



HEATING APPLIANCES



INSTANT WATER HEATER

IWH-2001 / IWH-2003

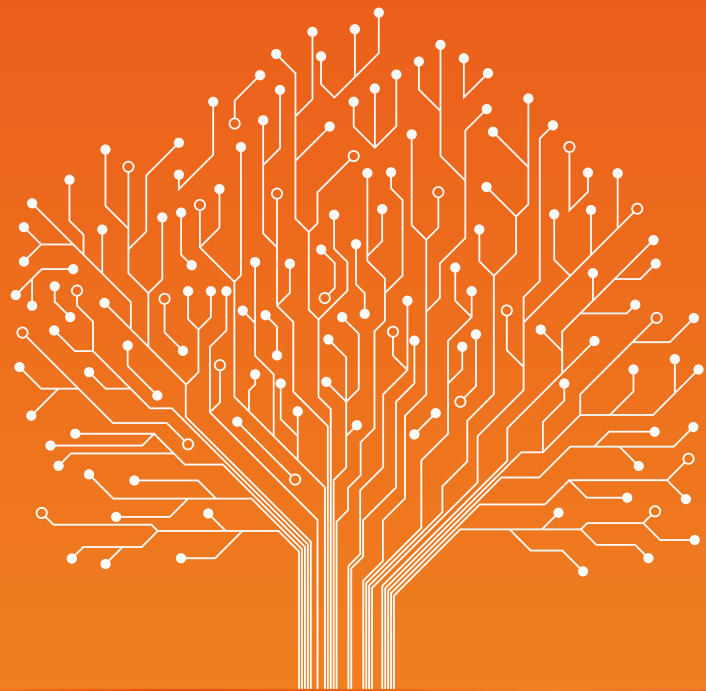
SUPPLY VOLTAGE	:	220-240V, AC, 50Hz
POWER CONSUMPTION	:	3KW
CAPACITY	:	1L / 3L
WEIGHT	:	3KG / 5KG
BODY	:	ABS
TANK	:	STAINLESS STEEL



STORAGE WATER HEATER

SWH-2010 / SWH-2015 / SWH-2025 / SWH-2035 / SWH-2050

SUPPLY VOLTAGE	:	220-240V, AC, 50Hz
POWER CONSUMPTION	:	2KW
CAPACITY	:	10L / 15L / 25L / 35L / 50L
WEIGHT	:	5.5KG / 7.5KG / 10KG / 13KG / 16KG
BODY	:	CRC
TANK	:	STAINLESS STEEL



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