

Helios Power

shine with renewable vitality





Introduction

Helios Power, established in 2023, is a pioneering manufacturer, exporter, and service provider specializing in a wide range of photovoltaic (PV) Connectors and PV Split Junction Box. With a strong commitment to innovation and sustainability, we cater to the renewable power industry by offering state-of-the-art electrical and electronic components, PV combiner boxes, and accessories.

Our expertise lies in utilizing advanced automation and injection molding technologies to produce high-quality, reliable solutions. Our product portfolio includes electrical PV Straight Connector, PV Panel Connector, PV Y-type Customized Wire harness solutions with and without Inline Fuse, PV Split Junction Boxes for PV module, PV DCDB & ACDB Enclosure, AC Cable Junction Boxes and various PV accessories.

At Helios Power, we are dedicated to supporting renewable energy initiatives through cutting-edge technology and superior service, making us a trusted partner in the global transition to clean energy.

Our Vision

At **Helios Power**, we are driven by purposeful innovation. We see opportunities where others do not, and we take decisive action. Through business innovation, product development, and service excellence, our goal is to enhance the industry that powers the world.

Our focus is on service above all else, with a singular mission to advance our customers' businesses. By anticipating their needs, we collaborate closely to deliver exceptional products and services on time and within budget.

We are dedicated to a customer-centric approach, ensuring continuous improvement in quality and processes. Our commitment is to provide reliable, innovative design and engineering solutions with a focus on excellence in execution.

At **Helios Power**, teamwork is at the heart of everything we do. We take pride in achieving our goals and delivering a job well done, inspired by a shared sense of purpose and satisfaction in meeting our clients' expectations.

We are steadfast in our promise to provide high-quality products with punctual delivery, meeting and exceeding our clients' needs every time.



Our Mission

To support and serve PV industries with products that offer relentless reliability, consistently meeting our customers' needs by designing and developing innovative solutions. Our goal is to enhance product efficiency, extend service life, and maximize power generation, positioning ourselves as a leader in the renewable power industry.

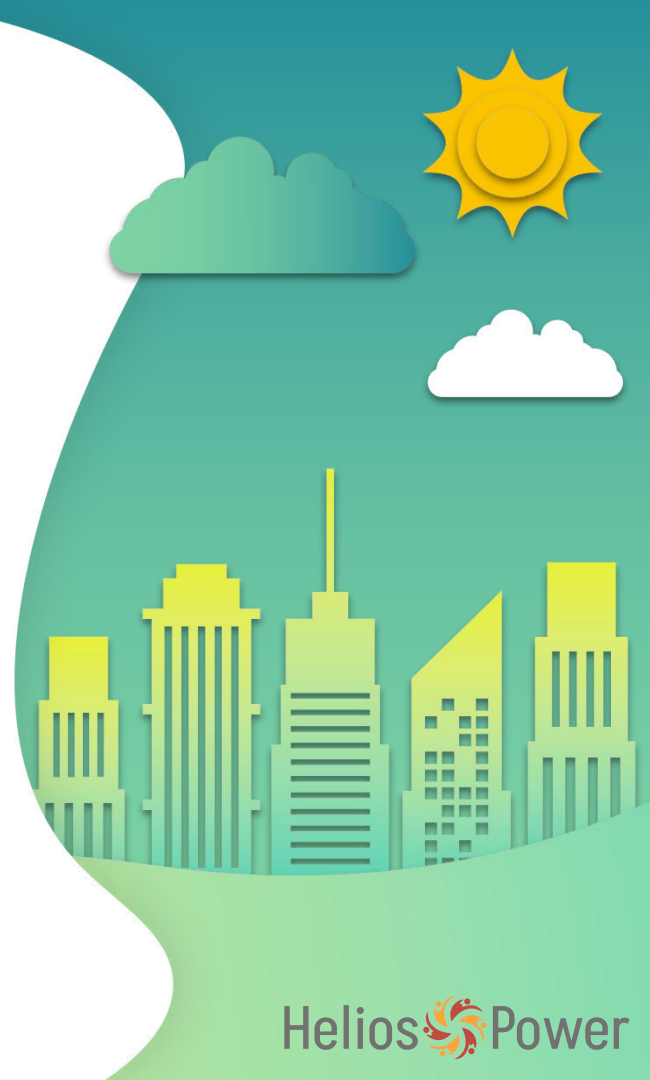
We aim to lead the PV module component manufacturing sector by promoting homegrown, Indian-designed, developed, and produced products with 50GW Capacity by 2030.





Milestone

Our achievement



Renewable Energy Roadmap

March-24

Design and Development of PV Connectors, PV Y-type Wire Harness, PV split Junction Box, DCDB

July-24

Start manufacturing of PV Y-Type Wireharness and Certification

September-24

Certification of PV Connector, Panel Connector, Branch Connector, In-Line Fuse Connector

November-24

Manufacturing of ACDB & DCDB Enclosure

May-25

Certification of PV Split Junction Box Under Certification.

June-25

PV Split Junction Box Assembly Line Set up. 5 GW Capacity

December-2030

Expansion Plan 50GW for PV Split Junction Box

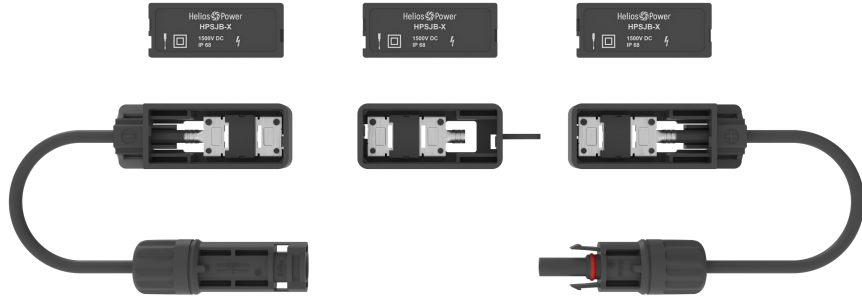




Our Product

- PV Split Junction Boxes
- PV Straight Connector
- PV Wire harness
- PV Straight Panel Connector
- PV Straight Inline Fuse Connector
- DCDC & ACDB Enclosure
- Solar cable clip

PV Split Junction Box



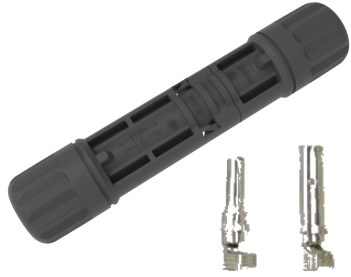
- Suitable for 1500VDC System Design
- Highest Diode Current Rating up to 25A/30A/35A
- Integrated Chip Type Schottky Diode
- 4 Sq.mm Solar DC Cable with Customization in Length.
- Dust & Water Ingress Protection : IP68
- UV Resistance
- Applicable standard IEC 62790:2020
- Suitable for Monoperc, Bifacial, Topcon cell type M10 & M12 PV Modules

5 GW Capacity

Expansion plan 50 GW by 2026



Solar Plug-in Connector



- Suitable for 1500VDC System Design
- Highest Current Rating 50A
- Compatible with 2.5, 4 & 6 Sq.mm DC Solar Cable.
- Dust & Water Ingress Protection : IP68
- UV Resistance
- Applicable standard IEC 62852:2014 (Amd. 2020-Under process.)
- Lowest Contact Resistance $\leq 0.25\text{m}\Omega$
- Ambient Temperature Range - 40°C to +85°C
- Rated Impulse Voltage 16kV

Solar Panel Connector



- Suitable for 1500VDC System Design
- Highest Current Rating 50A
- Compatible with 2.5, 4 & 6 Sq.mm DC Solar Cable.
- Dust & Water Ingress Protection : IP68
- UV Resistance
- Applicable standard IEC 62852:2014 (Amd. 2020-Under process.)
- Lowest Contact Resistance $\leq 0.25\text{m}\Omega$
- Ambient Temperature Range - 40°C to +85°C
- Rated Impulse Voltage 16kV



PV Harness Solution with Inline Fuse Connector



- 1500VDC System design
- Easy fuse Replacement provision and Overmolded type.
- Up to 35A Fuse Ø10 x 85mm
- Output Current Rating 50A
- UV Resistance
- Customize with different size of DC cable length and size
- Customize with Inline-fuse Protection up to 35A





PV Wire Harness

- 1500VDC System Design
- Dust & Water Ingress Protection : IP68
- UV Resistance
- Low contact resistance
- Customize with different size of DC cable length and size
- Customize with Inline-fuse Protection up to 32A



PV Inline Fuse Connector

- 1500VDC System design
- Easy fuse Replacement provision and Overmolded type.
- Up to 35A Fuse Ø10 x 85mm
- UV Resistance
- Customize with different size of DC cable length and size
- Customize with Inline-fuse Protection up to 35A





ACDB & DCDB Enclosure

- 180 x130 x100mm (Hinged Type)
- 210 x180 x 100mm (Hinged Type)
- High Grade Plastic PC+ABS
- Dust & Water Ingress Protection : IP65
- UV Resistance
- Side knockouts for cable insert



Solar Cable Clip

- High Quality with SS 304
- 20 years up life span
- Time saving while EPC
- No need to drill holes





Certification

TUV Certification
ERDA Certification
ISO 9001:2015
ISO 14001:2015
CE Compliance

Our Certifications

ZERTIFIKAT CERTIFICATE CERTIFICADO CERTIFICADO CERTIFICATE CERTIFICATE 認證證書



Product Service

CERTIFICATE

No. B 127627 0001 Rev. 00

Holder of Certificate: HELIOS POWER
12301, Aatmiya 2 Industrial Park
on NH 8, Mangley, Karjan,
Vadodara 391243
INDIA

Certification Mark:



Product: Connector
Connectors for Photovoltaic Systems

Model(s): HP-A4 Max abcd(a=6-9,b=1-4,c=1500V,d=1 or 2)
HP-A4 P abcd(a=6-9,b=1-4,c=1500V,d=1 or 2)
HP-A4 nB1(n=2-3)

Parameters:
Rated Voltage: 1500VDC
Rated Current: HP-A4 Max abcd
(25A-2.5mm², 35A-4mm²,
40A-6mm², 50A-10mm²)
HP-A4 P abcd
(25A-2.5mm², 35A-4mm²,
40A-6mm², 50A-10mm²)
HP-A4 nB1 (70A)

Application Class: A
Protection Class: IP65/5(I,II,III)
Degree of Protection: IP65/5(I,II,III)
Ambient Temperature: -40°C ~ +85°C

Tested according to: IEC 62852:2014
IEC 62852:2014/AMD1:2020
EN 62852:2014/1:2020

The product was tested on a voluntary basis and complies with the essential requirements. The certification mark shown above can be affixed on the product. It is not permitted to alter the certification mark in any way. In addition, the certification holder must not transfer the certificate to third parties. This certificate is valid until the listed date, unless it is cancelled earlier. All applicable requirements of the Testing, Certification, Validation and Verification Regulations of TÜV SÜD Group have to be complied. For details see: www.tuvsud.com/ps-cert

Test report no.: 701282425201-00
Valid until: 2026-09-21

Date: 2024-09-06

(Yaqun Alex Liu)



ELECTRICAL RESEARCH AND DEVELOPMENT ASSOCIATION
(Accredited by the National Accreditation Board for Testing and Calibration Laboratories, Govt. of India)
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EPABX : +91 (0265) 2642942, 2642964, 2642377, 3043128 / 29 / 30 / 31 / 33
Fax : +91 (0265) 2638382
E-mail : erda@erda.org
Web : http://www.erda.org



RP-2425-010009



TEST REPORT

ULR-TC538924000016097F		SHEET 01 OF 06	
NAME AND ADDRESS OF CUSTOMER		TEST REPORT NO.:	RP-2425-010009
HELIOS POWER C/1/900/2/A MAKARPURA GIDC, VADODARA-390 010, GUJARAT.		DATE OF ISSUE:	05/07/2024
MANUFACTURED BY: HELIOS POWER		CUSTOMER REF.NO.	DATED
SAMPLE DESCRIPTION (As provided by customer)		Letter	26/06/2024
Y-TYPE JOINT 2 IN 1 OUT FOR 1500V DC PHOTOVOLTAIC POWER PLANT		DATE OF SAMPLE RECEIPT	DATE OF TESTING
ERDA Sample Code No.:		26/06/2024	28/06/2024 to 04/07/2024
Type designation: HPWHYA-BX-A-BYY		TEST SPECIFICATION	
Rating: Rated voltage: 1500V DC Rated normal current: 58A		As per customer's requirement & test procedure followed as per IEC 62852:2014 & IEC 60529:2013	
TEST DETAILS		TEST SPECIFICATION	
1.0 IP 6X (Category 2) test		As per customer's requirement & test procedure followed as per IEC 62852:2014 & IEC 60529:2013	
Enclosures: 1) Photograph Nos.: 2425-004667/00589302/A to D (Total 4 nos.) 2) Drawing No. : As per SHEET 02 OF 06.		TEST SPECIFICATION	
Test witnessed by: Mr. Amit Gandhi (CEO) from M/s. Helios Power.		As per customer's requirement & test procedure followed as per IEC 62852:2014 & IEC 60529:2013	
Note: i) Due to moulded process design of the sample, IP 6X test was carried out according to Category 2 as declared by the customer. ii) IP 6X (Category 2) test was carried out only on the Y-type joint 2 in 1 out as shown in drawing no. HPWHV (Sheet 1 OF 2).		TEST SPECIFICATION	
Remark: Sample conforms to the requirement of the customer for IP 6X (Category 2) test.		TEST SPECIFICATION	
CHECKED BY		TEST SPECIFICATION	
(MUNAF PATEL)		TEST SPECIFICATION	
APPROVED BY		TEST SPECIFICATION	

TC 3670031

- Note:**
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 - This report cannot be reproduced in part under any circumstances.
 - Publication of this report requires prior permission in writing from Director, ERDA.
 - This report shall not be used for any purpose such as PR brochures, propaganda, advertisement and/or legal proceedings, unless for the granted purpose.
 - Only the tests asked for by the customer have been carried out.
 - Particulars of manufacturer/supplier, given in this report are based on information supplied by the customer, along with the test request/sample. ERDA does not assume any responsibility for the correctness of the information for above mentioned Sample Under Test (SUT). ERDA will not be responsible for any changes in SUT made after the test. This test report is given as per instrument status while testing.
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Fax : +91 (0265) 2638382
E-mail : erda@erda.org
Web : http://www.erda.org



RP-2425-010012



TEST REPORT

ULR-TC538924000016097F		SHEET 01 OF 06	
NAME AND ADDRESS OF CUSTOMER		TEST REPORT NO.:	RP-2425-010012
HELIOS POWER C/1/900/2/A MAKARPURA GIDC, VADODARA-390 010, GUJARAT.		DATE OF ISSUE:	05/07/2024
MANUFACTURED BY: HELIOS POWER		CUSTOMER REF.NO.	DATED
SAMPLE DESCRIPTION (As provided by customer)		Letter	26/06/2024
Y-TYPE JOINT 2 IN 1 OUT FOR 1500V DC PHOTOVOLTAIC POWER PLANT		DATE OF SAMPLE RECEIPT	DATE OF TESTING
ERDA Sample Code No.:		26/06/2024	29/06/2024 to 04/07/2024
Type designation: HPWHYA-BX-A-BYY		TEST SPECIFICATION	
Rating: Rated voltage: 1500V DC Rated normal current: 58A		As per customer's requirement & test procedure followed as per IEC 62852:2014 & IEC 60529:2013	
TEST DETAILS		TEST SPECIFICATION	
1.0 IP X8 test		As per customer's requirement & test procedure followed as per IEC 62852:2014 & IEC 60529:2013	
Enclosures: 1) Photograph Nos.: 2425-004667/00589302/A to D (Total 4 nos.) 2) Drawing No. : As per SHEET 02 OF 06.		TEST SPECIFICATION	
Test witnessed by: Mr. Amit Gandhi (CEO) from M/s. Helios Power.		TEST SPECIFICATION	
Note: i) IP X8 test was carried out only on the Y-Type Joint 2 in 1 out as shown in drawing no. HPWHV (Sheet 1 OF 2). ii) IP X8 test was carried out with the lowest position of the enclosure 1.2 meter below the surface of water for a duration of one hour as declared by the customer.		TEST SPECIFICATION	
Remark: Sample conforms to the requirement of IP X8 test as per the standard.		TEST SPECIFICATION	
CHECKED BY		TEST SPECIFICATION	
(MUNAF PATEL)		TEST SPECIFICATION	
APPROVED BY		TEST SPECIFICATION	

TC 3670037

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ERDA provides support to customers for verification of the authenticity of test reports issued by ERDA within 10 years of date of issue of report.

Our Certifications



Scan this QR code with smartphone to visit our website



Certificate of Compliance

This is to certify that the Products & spares of class I according to the Machinery Manufacturing Directive 2006/42/EC manufactured by

NAME: HELIOS POWER
ADDRESS: C/1/900/2/A, MAKARPURA ROAD, MAKARPURA GIDC, VADODARA – 390010, GUJARAT, INDIA
PRODUCTS: MANUFACTURING & TRADING OF PV PRODUCTS, ELECTRICAL & ELECTRONIC COMPONENTS, PV COMBINER BOXES, PV JUNCTION BOX, CABLE CLIP AND ACCESSORIES FOR RENEWABLE POWER PLANTS & POWER INDUSTRIES.

COMPLIES WITH THE REQUIREMENTS APPLICABLE TO IT

The Certification Body has performed an independent audit of the above product quality system covering the design, manufacture and final inspection of the certified product. The quality system has been assessed, approved and is subject to continuous surveillance according to the Machinery Manufacturing Directive 2006/42/EC

THIS CERTIFICATE IS ISSUED UNDER THE FOLLOWING CONDITIONS:

1. It applies only to the quality system maintained in the manufacture of above referenced models and it does not substitute the design or type-examination procedures, if requested.
2. The certificate remains valid until the manufacturing conditions or the quality systems are changed.
3. The certificate validity is conditioned by positive results or surveillance audits.
4. After fulfilling the relevant EU legislation, the manufacturer shall affix to each device, of the above referenced models.
5. The CE mark as shown below can be used, under the responsibility of the manufacturer, after completion of an EC Declaration of conformity and compliance with all relevant EC Directives. The statement is based on a single evaluation of one sample of above indicated product. It does not imply an assessment of the whole production.

Certification Calendar:

Client Id: 10568 Certificate No: INCE1402568

Registered on: 14.02.2024 Issued on: 14.02.2024

Expires on: 13.02.2027

1st Surveillance on/before: 13.02.2025

2nd Surveillance on/before: 13.02.2026

Executive Director

RADIANCE QUALITY CERTIFICATIONS

Regd. Office - 20-22 Wembley Rd, Hoxton, London N1 7GU, UK.



Regd. Off: 20-22 Wembley Rd, Hoxton, London N1 7GU, UK

Terms & conditions

1. Validity of this certificate is subject to the organization maintaining its system in accordance with respective management systems standards along with RQC requirements.
2. This certificate remains the property of whom it must be returned upon request.
3. Use of logo must be in accordance with the requirement of the UKAS, accreditation board (in any future) the most the requirement shall be held liable for actions.
4. This certificate is not final evidence of certification status, status must be verified in writing from info@radiance.co.uk or it can be verified online at <http://radiance.co.uk/certificate-check>.

ISO 9001:2015

Certificate of Registration

This is to Certify That
Quality Management System of

HELIOS POWER

C/1/900/2/A, MAKARPURA ROAD, MAKARPURA GIDC,
VADODARA – 390010, GUJARAT, INDIA.

has been assessed and found to conform to the requirements of

ISO 9001:2015

for the following scope :

MANUFACTURING & TRADING OF PV PRODUCTS, ELECTRICAL & ELECTRONIC COMPONENTS, PV COMBINER BOXES, PV JUNCTION BOX, CABLE JUNCTION BOX, SOLAR DC CABLE CLIP AND ACCESSORIES FOR RENEWABLE POWER PLANTS & POWER INDUSTRIES.

Certificate No : 24MEQP57
 Initial Registration Date : 14/02/2024 Issuance Date : 14/02/2024
 Date of Expiry : 13/02/2027
 1st Surve. Due : 14/01/2025 2nd Surve. Due : 14/01/2026



DIRECTOR



Magnitude Management Services Pvt. Ltd.
 Third Floor, A-605, Sector-2, Noida, Gurgaon Road Stage, U.P. 201301, India. e-mail: info@mmsservices.com website: www.mmsservices.com
 *Subject to Successful Surveillance audits case surveillance audit is not allowed in its certificate, this certificate shall be suspended/withdrawal.
 Certificate Registration: Please do not the validity of certificate at <http://www.mmsservices.com/certificate-verification> or www.mmsservices.com at Active Client.
 Certificate is the property of Magnitude Management Services Pvt. Ltd. and shall be returned immediately when demanded.

ISO 14001:2015

Certificate of Registration

This is to Certify That
Environmental Management System of

HELIOS POWER

C/1/900/2/A, MAKARPURA ROAD, MAKARPURA GIDC,
VADODARA – 390010, GUJARAT, INDIA.

has been assessed and found to conform to the requirements of

ISO 14001:2015

for the following scope :

MANUFACTURING & TRADING OF PV PRODUCTS, ELECTRICAL & ELECTRONIC COMPONENTS, PV COMBINER BOXES, PV JUNCTION BOX, CABLE JUNCTION BOX, SOLAR DC CABLE CLIP AND ACCESSORIES FOR RENEWABLE POWER PLANTS & POWER INDUSTRIES.

Certificate No : 24MEEPF45
 Initial Registration Date : 14/02/2024 Issuance Date : 14/02/2024
 Date of Expiry : 13/02/2027
 1st Surve. Due : 14/01/2025 2nd Surve. Due : 14/01/2026



DIRECTOR



Magnitude Management Services Pvt. Ltd.

Third Floor, A-605, Sector-2, Noida, Gurgaon Road Stage, U.P. 201301, India. e-mail: info@mmsservices.com website: www.mmsservices.com
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Contact Us



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