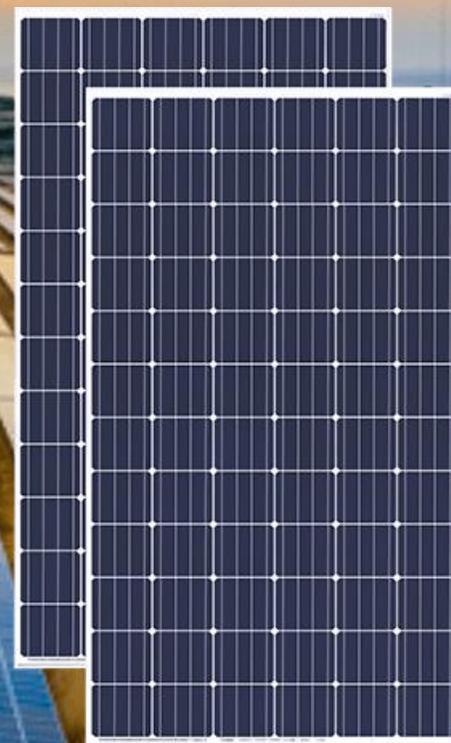




Emmvee Photovoltaic Modules



YOUR RELIABLE
PARTNER FOR
SOLAR ENERGY
SINCE 1992



Contents

- Emmvee Profile
- Emmvee-Vision & Mission
- Emmvee PV Module track record
- Emmvee Product Range
- Certifications
- Our Commissioned projects
- Achievements
- Awards & Accolades

Company Profile Emmvee Group 30 years of excellence

Established in 1992

- 900 People
- PV Module Manufacturing
- Solar Water Heater Manufacturing
- Project Development
- EPC Project Installation
- Rooftop Solution
- Solar Water Pumping Solution



Vision

As one of the leading solar energy companies, our vision is to make every individual and organization, energy independent by providing highly qualitative, innovative, cost-effective premium solar products and solutions that provide clean, reliable and sustainable energy around the world.

Mission

Consistency, secure execution and installation of our projects every time that ensures growth in our photovoltaic modules and hot-water systems. Keeping an open mind to endorse new-age technology and make improvements in our product range in a way that is intact with our values and care for our environment, community, customers and our stakeholders.



Emmvee Manufacturing Facilities

From a single line of business, Emmvee Group has transformed itself into a well-diversified group with a strong foothold in Solar Photovoltaic, Solar Water Heating Systems and Solar Water Pump.



Emmvee Photovoltaic Power Pvt Ltd Unit 1

- 500 MW Production Capacity
- Air-conditioned Facility with 8,000 Sqm
- Located in Airport Road, Bengaluru



Emmvee Photovoltaic Power Pvt Ltd Unit 2

- 750 MW Production Capacity
- Air-conditioned Facility with 20,000 Sqm
- Located in Dabaspeta, Bengaluru

Emmvee Group An Overview

- Head Quarter's - Bengaluru, India
- International Office - Berlin, Germany
- PV module manufacturing Production capacity 1250 MW being extended to 3GW
- Solar cell manufacturing Production capacity 1.5 GW by 2024
- Project Development, EPC and Rooftop solution
- Production Area covered 28000 Sqm



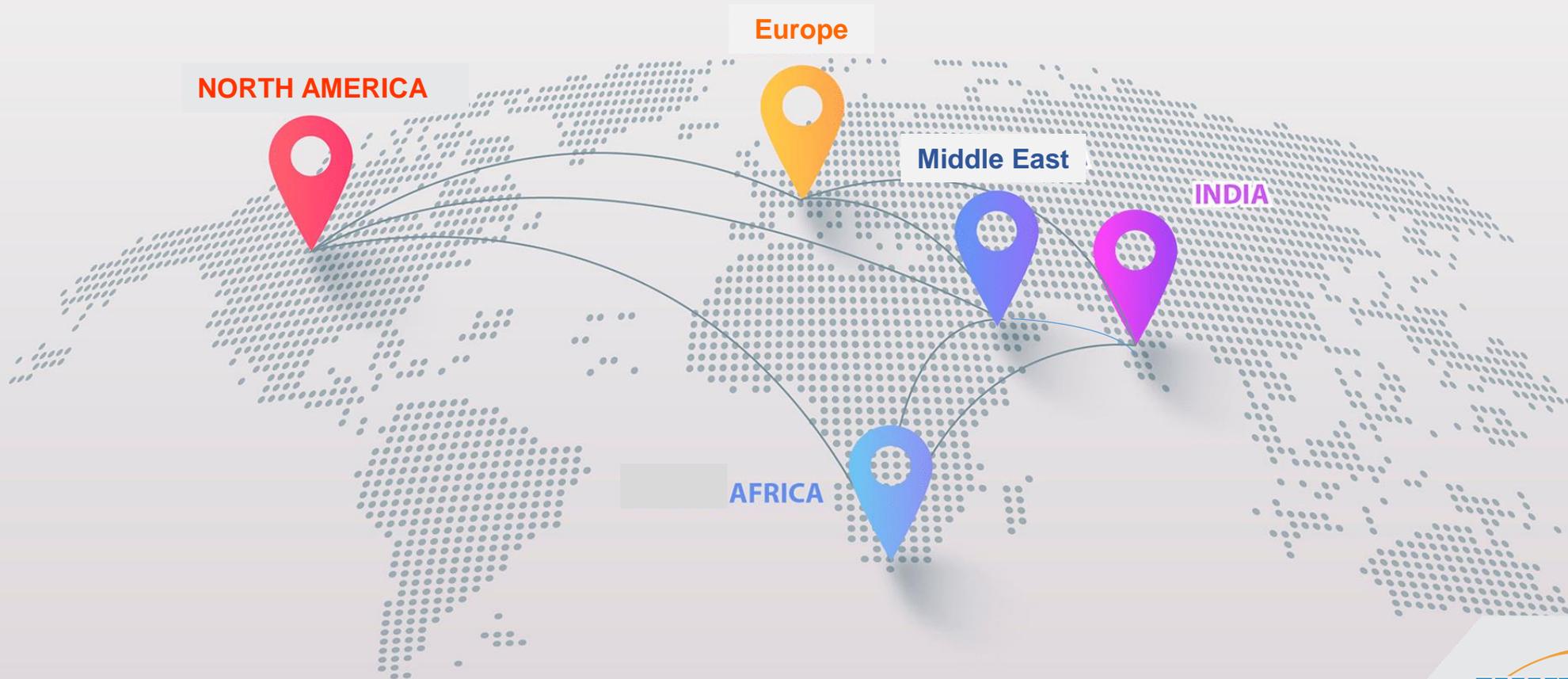
Manufacturing and Sales Companies



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SOLAR ENERGY
SINCE 1992



PV Modules globally supplied more than 2GW



PV module manufacturing expansion Production capacity 1250MW being extended to 3GW



Module and Cell Production capacity road map

- Presently - 1.25GW Module
- 2023 - 3GW Module
- 2024 - 3GW Module & 1.5GW Cell Line



PV module manufacturing expansion

Production capacity 1250MW being extended to 3GW



Emmvee Photovoltaic Modules

30
YEARS.
POWER
FOR GOOD.

PRODUCT RANGE

Premium Photovoltaic Module



YOUR RELIABLE
PARTNER FOR
SOLAR ENERGY
SINCE 1992

PV Modules - Mono Perc, Multi, Monofacial & Bifacial

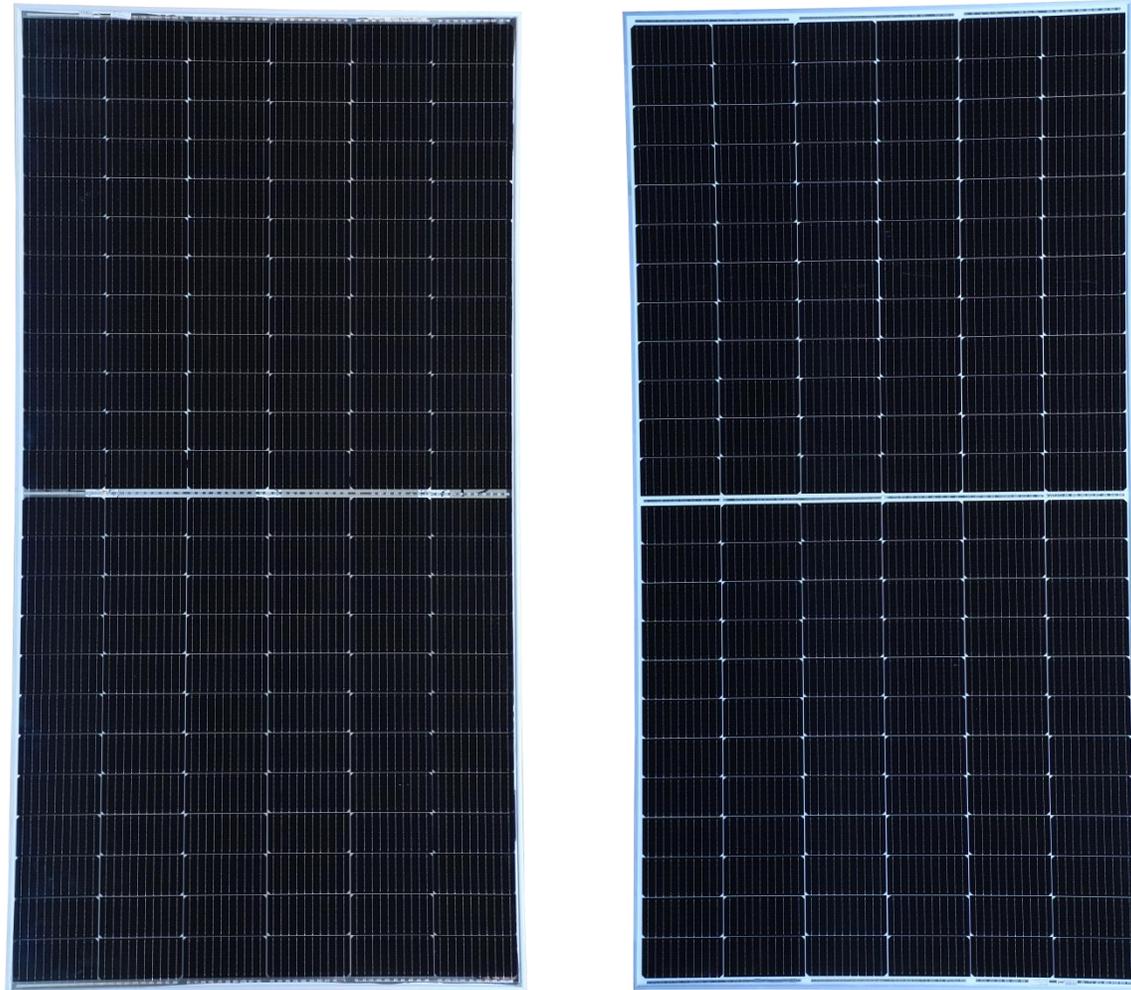
Emmvee Solar PV Modules are the best for On - Grid solar power plants. Our modules are built to withstand extreme harsh weather conditions and sustain for more than 30 years.

Features

- High reliability with guaranteed +5Wp power output tolerance, ensuring ROI
- Withstands high wind-pressure and snow load (passed 5400 Pa mechanical loading test), and extreme temperature variations
- We are now offering 540Wp and 545Wp & will be offering 680Wp in near future.
- 12 Years Product warranty & 25/30 years Linear Power warranty
- 108/120/144 multi/mono PERC/bifacial solar cells with multi busbars

PV Module - Mono-facial and Bi-facial

Upto
545WP



Certifications - IEC

Zertifikat Certificate

Zertifikat Nr. **Certificate No.** Blatt **Sheet**
 PV 60165052 0001

Ihr Zeichen **Client Reference** Unser Zeichen **Our Reference** Ausstellungsdatum **Date of Issue**
 0002-G.P-IN22ROYN 001 08.08.2022 (day/month/yr)

Genehmigungsinhaber License Holder
 EMMVEE Photovoltaic Power Private Ltd.
 "Solar Tower" #55, 6th Main 11th Cross, Lakshmaiah Block Bangalore - Ganganagar 560024 India

Fertigungsstätte Manufacturing Plant
 Refer to latest revision of the annex list of factories

Prüfzeichen Test Mark Geprüft nach **Tested acc. to**
 IEC 61215
 IEC 61730
 Regular Production Surveillance
 IEC 61215-1:2021
 IEC 61215-1-1:2021
 IEC 61215-2:2021
 IEC 61730-1:2016
 IEC 61730-2:2016

Zertifiziertes Produkt (Geräteidentifikation) Certified Product (Product Identification) **Lizenzentgelte - Einheit License Fee - Unit**

PV Module

Type:
 "Pearl Series" with monocrystalline half cut cells:
 ExxxHCMW144 (xxx=530-545 in steps of 1, 144 cells)
 ExxxHCMW120 (xxx=440-450 in steps of 1, 120 cells)
 ExxxHCMW108 (xxx=395-410 in steps of 1, 108 cells)

"Sapphire Series" with mono bifacial half cut cells:
 ExxxHCBG144 (xxx=530-545 in steps of 1, 144 cells)
 ExxxHCBG120 (xxx=440-450 in steps of 1, 120 cells)
 ExxxHCBG108 (xxx=395-405 in steps of 1, 108 cells)

xxx represents output power in Wp

Remarks:
 Class II acc. to IEC 61140
 Max. System Voltage: 1500 VDC (Voc at STC)
 Max. positive Design Load (downward): 3600 Pa
 Max. negative Design Load (upward): 1600 Pa
 with safety factor 1.5
 Additional applicable test standards see page 3.

continued on page 2

Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde. Das Produkt entspricht den o.g. Anforderungen, die Herstellung wird überwacht. This certificate is based on our Testing and Certification Regulation. The product fulfills above mentioned requirements, the production is subject to surveillance.

TÜV Rheinland LGA Products GmbH, Tillystraße 2, 90431 Nürnberg
 http://www.tuv.com/safety E-mail: markcheck@tuv.com
 Fax: +49 221 806-3935

Zert

Zertifikat Certificate

Zertifikat Nr. **Certificate No.** Blatt **Sheet**
 PV 60165052 0002

Ihr Zeichen **Client Reference** Unser Zeichen **Our Reference** Ausstellungsdatum **Date of Issue**
 0002-G.P-IN22ROYN 001 08.08.2022 (day/month/yr)

Genehmigungsinhaber License Holder
 EMMVEE Photovoltaic Power Private Ltd.
 "Solar Tower" #55, 6th Main 11th Cross, Lakshmaiah Block Bangalore - Ganganagar 560024 India

Fertigungsstätte Manufacturing Plant
 Refer to latest revision of the annex list of factories

Prüfzeichen Test Mark Geprüft nach **Tested acc. to**
 IEC 61215
 IEC 61730
 Regular Production Surveillance
 IEC 61215-1:2021
 IEC 61215-1-1:2021
 IEC 61215-2:2021
 IEC 61730-1:2016
 IEC 61730-2:2016

Zertifiziertes Produkt (Geräteidentifikation) Certified Product (Product Identification) **Lizenzentgelte - Einheit License Fee - Unit**

PV Module

Type:
 "Quartz Series" with mono bifacial half cut cells:
 ExxxHCBT144 (xxx=530-545 in steps of 1, 144 cells)
 ExxxHCBT120 (xxx=440-450 in steps of 1, 120 cells)
 ExxxHCBT108 (xxx=395-400 in steps of 1, 108 cells)

"Graphite Series" with monocrystalline half cut cells:
 ExxxHCM144-B (xxx=520-530 in steps of 1, 144 cells)
 ExxxHCM120-B (xxx=430-445 in steps of 1, 120 cells)
 ExxxHCM108-B (xxx=385-400 in steps of 1, 108 cells)

xxx represents output power in Wp

Remarks:
 Class II acc. to IEC 61140
 Max. System Voltage: 1500 VDC (Voc at STC)
 Max. positive Design Load (downward): 3600 Pa
 Max. negative Design Load (upward): 1600 Pa
 with safety factor 1.5
 Additional applicable test standards see page 3.

continued on page 3

Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde. Das Produkt entspricht den o.g. Anforderungen, die Herstellung wird überwacht. This certificate is based on our Testing and Certification Regulation. The product fulfills above mentioned requirements, the production is subject to surveillance.

TÜV Rheinland LGA Products GmbH, Tillystraße 2, 90431 Nürnberg
 http://www.tuv.com/safety E-mail: markcheck@tuv.com
 Fax: +49 221 806-3935

Zert

Zertifikat Certificate

Zertifikat Nr. **Certificate No.** Blatt **Sheet**
 PV 60141604 0003

Ihr Zeichen **Client Reference** Unser Zeichen **Our Reference** Ausstellungsdatum **Date of Issue**
 0001-G.P.-21290525 005 18.08.2022 (day/month/yr)

Genehmigungsinhaber License Holder
 EMMVEE Photovoltaic Power Private Ltd.
 "Solar Tower" #55, 6th Main 11th Cross, Lakshmaiah Block Bangalore - Ganganagar 560024 India

Fertigungsstätte Manufacturing Plant
 Refer to latest revision of the annex list of factories

Prüfzeichen Test Mark Geprüft nach **Tested acc. to**
 Split-Mon.
 Resistance
 Regular Production
 Surveillance
 IEC 61701:2020
 EN IEC 61701:2020

Zertifiziertes Produkt (Geräteidentifikation) Certified Product (Product Identification) **Lizenzentgelte - Einheit License Fee - Unit**

PV Module

Type:
 "Pearl Series" with monocrystalline half cut cells:
 ExxxHCMW144 (xxx=530-545 in steps of 1, 144 cells)
 ExxxHCMW120 (xxx=440-450 in steps of 1, 120 cells)
 ExxxHCMW108 (xxx=395-410 in steps of 1, 108 cells)

"Sapphire Series" with mono bifacial half cut cells:
 ExxxHCBG144 (xxx=530-545 in steps of 1, 144 cells)
 ExxxHCBG120 (xxx=440-450 in steps of 1, 120 cells)
 ExxxHCBG108 (xxx=395-405 in steps of 1, 108 cells)

"Quartz Series" with mono bifacial half cut cells:
 ExxxHCBT144 (xxx=530-545 in steps of 1, 144 cells)
 ExxxHCBT120 (xxx=440-450 in steps of 1, 120 cells)
 ExxxHCBT108 (xxx=395-400 in steps of 1, 108 cells)

xxx represent output power in Wp

Continued on page 4

Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde. Das Produkt entspricht den o.g. Anforderungen, die Herstellung wird überwacht. This certificate is based on our Testing and Certification Regulation. The product fulfills above mentioned requirements, the production is subject to surveillance.

TÜV Rheinland LGA Products GmbH, Tillystraße 2, 90431 Nürnberg
 http://www.tuv.com/safety E-mail: markcheck@tuv.com
 Fax: +49 221 806-3935

Zert

Zertifikat Certificate

Zertifikat Nr. **Certificate No.** Blatt **Sheet**
 PV 60141604 0004

Ihr Zeichen **Client Reference** Unser Zeichen **Our Reference** Ausstellungsdatum **Date of Issue**
 0001-G.P.-21290525 005 18.08.2022 (day/month/yr)

Genehmigungsinhaber License Holder
 EMMVEE Photovoltaic Power Private Ltd.
 "Solar Tower" #55, 6th Main 11th Cross, Lakshmaiah Block Bangalore - Ganganagar 560024 India

Fertigungsstätte Manufacturing Plant
 Refer to latest revision of the annex list of factories

Prüfzeichen Test Mark Geprüft nach **Tested acc. to**
 Split-Mon.
 Resistance
 Regular Production
 Surveillance
 IEC 61701:2020
 EN IEC 61701:2020

Zertifiziertes Produkt (Geräteidentifikation) Certified Product (Product Identification) **Lizenzentgelte - Einheit License Fee - Unit**

PV Module

Type:
 "Graphite Series" with monocrystalline half cut cells:
 ExxxHCM144-B (xxx=520-530 in steps of 1, 144 cells)
 ExxxHCM120-B (xxx=430-445 in steps of 1, 120 cells)
 ExxxHCM108-B (xxx=385-400 in steps of 1, 108 cells)

xxx represent output power in Wp

Remarks:
 Valid in conjunction with TÜV Rheinland certificate acc. to IEC/EN 61215, IEC/EN 61730 and only for the material combination as listed in the above mentioned test report. Test performed with severity 6 of 6.

Conditions:
 The product test is voluntarily according to technical regulations. Any change of the design, materials, components or processing may require the repetition of some of the qualification tests in order to retain type approval. Accordingly the repetition of the tests that are basis of this certificate may be required.

This certificate is valid until 16 July 2024.

Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde. Das Produkt entspricht den o.g. Anforderungen, die Herstellung wird überwacht. This certificate is based on our Testing and Certification Regulation. The product fulfills above mentioned requirements, the production is subject to surveillance.

TÜV Rheinland LGA Products GmbH, Tillystraße 2, 90431 Nürnberg
 http://www.tuv.com/safety E-mail: markcheck@tuv.com
 Fax: +49 221 806-3935

Zertifikat

Certifications – UL, CSA & CEC

Certificate

Certificate no. TU 722140006 04

License Holder:
EMMVEE Photovoltaic Power Private Ltd.
"Solar Tower" # 56, 6th main,
11th Cross, Lakshmaiah Block Ganganagar,
Bangalore – 560024, India

Manufacturing Plant(s):
Refer to the latest revision of the List of
Factories (Appendix 2).

Test report no.: USA-321440002.006 **Client Reference:** Mr. Srinath.T
Tested to: UL 61215-1:2017, UL 61215-1-1:2017, UL 61215-2:2017,
UL 61730-1:2017, UL 61730-2:2017

Certified Product: Photovoltaic (PV) Modules

Model Designations:

Panel Series with Monocrystalline-Si Half cut cells with White Back sheet
ExxxHCMW144 (xxx=530-545 in steps of 1, with 144cells)
ExxxHCMW120 (xxx=440-450 in steps of 1, with 120cells)
ExxxHCMW108 (xxx=395-410 in steps of 1, with 108 cells)

Graphite Series with Monocrystalline-Si Half cut cells with Black Back sheet
ExxxHCM144-B (xxx=520-530 in steps of 1, with 144 cells)
ExxxHCM120-B (xxx=430-445 in steps of 1, with 120 cells)
ExxxHCM108-B (xxx=385-400 in steps of 1, with 108 cells)

Maximum System voltage: 1500 VDC
Safety Class: Class II
Fire Type: Type 4

Electrical ratings are provided at Standard Test Conditions (STC),
1000W/m², AM1.5 spectrum, 25°C cell temperature.

Appendices: 1, 1-7 2, 1

Licensed Test Mark:	Date of Issue:
	14 September 2022

SolarPTL, LLC, 1107 W. Fairmont Drive, Tempe, Arizona 85282, Tel (480) 966-1700

Certificate

Certificate no. TU 722140006 03

License Holder:
EMMVEE Photovoltaic Power Private Ltd.
"Solar Tower" # 56, 6th main,
11th Cross, Lakshmaiah Block Ganganagar,
Bangalore – 560024, India

Manufacturing Plant(s):
Refer to the latest revision of the List of
Factories (Appendix 2).

Test report no.: USA-321440002.005 **Client Reference:** Mr. Srinath.T
Tested to: UL 61215-1:2017, UL 61215-1-1:2017, UL 61215-2:2017,
UL 61730-1:2017, UL 61730-2:2017

Certified Product: Photovoltaic (PV) Modules

Model Designations:

With Monocrystalline-Si Full cells with Black Back sheet
ExxxM72-B (xxx=370-395 in steps of 1, with 72 cells)
ExxxM60-B (xxx=305 in steps of 1, with 60 cells)

With Poly Crystalline Full cells with Black Back sheet
ExxxP72-B (xxx= 315 -325 in steps of 1 with 72 cells)
ExxxP60-B (xxx= 270 with 60 cells)

xxx represents output power in Wp.

Maximum System voltage: 1500 VDC
Safety Class: Class II
Fire Type: Type 4

Electrical ratings are provided at Standard Test Conditions (STC),
1000W/m², AM1.5 spectrum, 25°C cell temperature.

Appendices: 1, 1-7 2, 1

Licensed Test Mark:	Date of Issue:
	06 September 2022

SolarPTL, LLC, 1107 W. Fairmont Drive, Tempe, Arizona 85282, Tel (480) 966-1700



YOUR RELIABLE
PARTNER FOR
SOLAR ENERGY
SINCE 1992

Certifications - ISO certified from DNV-GL

DNV-GL

MANAGEMENT SYSTEM CERTIFICATE

Certificate No: 118871-2012-450-IND-05W Initial certification date: 13, June, 2012 Valid: 25, June, 2017 - 25, June, 2020

This is to certify that the management system of

EMMVEE Photovoltaic Power Private Limited
 Survey No. 13/1, International Airport Road, Sonnappannahalli, Bettahalasur Post, Bengaluru - 562 157, Karnataka India
 and the sites as mentioned in the appendix accompanying this certificate.

has been found to conform to the Occupational Health and Safety Management System standard:
OHSAS 18001:2007

This certificate is valid for the following scope:
Design and manufacture of solar photovoltaic modules EPC (Engineering, procurement & construction) and operation & maintenance of:
 -Solar photovoltaic lighting systems
 -Solar photovoltaic ground mounted & rooftop power plants

Manufacture of solar photovoltaic modules

DNV-GL

MANAGEMENT SYSTEM CERTIFICATE

Certificate No: 9817C-2012-46-IND-RvA Initial certification date: 05, October, 2012 Valid: 24, June, 2017 - 24, June, 2020

This is to certify that the management system of

EMMVEE Photovoltaic Power Private Limited
 Survey No. 13/1, International Airport Road, Sonnappannahalli, Bettahalasur Post, Bengaluru - 562 157, Karnataka, India
 and the sites as mentioned in the appendix accompanying this certificate

has been found to conform to the Environmental Management System standard:
ISO 14001:2015

This certificate is valid for the following scope:
Design and manufacture of solar photovoltaic modules EPC (Engineering, procurement & construction) and operation & maintenance of:
 -Solar photovoltaic lighting systems
 -Solar photovoltaic ground mounted & rooftop power plants

Manufacture of solar photovoltaic modules

DNV-GL

MANAGEMENT SYSTEM CERTIFICATE

Certificate No: 118871-2012-450-IND-05W Initial certification date: 13, June, 2012 Valid: 25, June, 2017 - 25, June, 2020

This is to certify that the management system of

EMMVEE Photovoltaic Power Private Limited
 Survey No. 13/1, International Airport Road, Sonnappannahalli, Bettahalasur Post, Bengaluru - 562 157, Karnataka India
 and the sites as mentioned in the appendix accompanying this certificate

has been found to conform to the Occupational Health and Safety Management System standard:
OHSAS 18001:2007

This certificate is valid for the following scope:
Design and manufacture of solar photovoltaic modules EPC (Engineering, procurement & construction) and operation & maintenance of:
 -Solar photovoltaic lighting systems
 -Solar photovoltaic ground mounted & rooftop power plants

Manufacture of solar photovoltaic modules

DNV-GL

MANAGEMENT SYSTEM CERTIFICATE

Certificate No: 10000371363-MSC-RvA-IND Initial certification date: 13 June 2012 Valid: 28 June 2020 - 28 June 2023

This is to certify that the management system of

EMMVEE Photovoltaic Power Private Limited
 Survey No.13/1, International Airport Road, Sonnappannahalli, Bettahalasur Post,Bengaluru - 562157, Karnataka, India

has been found to conform to the Occupational Health and Safety Management System standard:
ISO 45001:2018

This certificate is valid for the following scope:
Design and manufacture of solar photovoltaic modules EPC (Engineering, procurement & construction) and operation & maintenance of:
 - Solar photovoltaic lighting systems
 - Solar photovoltaic ground mounted & rooftop power plants

Place and date:
Chennai, 08, June, 2017

For the issuing office:
DNV GL - Business Assurance
ROSA, No. 10, GST Road, Alandur,
Chennai - 600 016, India

Moudaan Madhyath
Management Representative

Lack of fulfillment of conditions as set out in the Certificate Agreement may render this Certificate invalid.
 Certificate No: 118871-2012-450-IND-05W Initial Certification Date: 13, June, 2012 Valid: 25, June, 2017 - 25, June, 2020

Place and date:
Chennai, 09, June, 2017

For the issuing office:
DNV GL - Business Assurance
ROSA, No. 10, GST Road, Alandur,
Chennai - 600 016, India

Moudaan Madhyath
Management Representative

Lack of fulfillment of conditions as set out in the Certificate Agreement may render this Certificate invalid.
 Certificate No: 9817C-2012-46-IND-RvA Initial Certification Date: 05, October, 2012 Valid: 24, June, 2017 - 24, June, 2020

Place and date:
Chennai, 09, June, 2017

For the issuing office:
DNV GL - Business Assurance
ROSA, No. 10, GST Road, Alandur,
Chennai - 600 016, India

Moudaan Madhyath
Management Representative

Lack of fulfillment of conditions as set out in the Certificate Agreement may render this Certificate invalid.
 Certificate No: 118871-2012-450-IND-05W Initial Certification Date: 13, June, 2012 Valid: 25, June, 2017 - 25, June, 2020

Place and date:
Barendrecht, 19 November 2020

For the issuing office:
DNV GL - Business Assurance
Zwolsseweg 1, 2994 LB Barendrecht,
Netherlands

Eerie Koek
Management Representative

Lack of fulfillment of conditions as set out in the Certificate Agreement may render this Certificate invalid.
 Certificate No: 10000371363-MSC-RvA-IND Initial Certification Date: 13 June 2012 Valid: 28 June 2020 - 28 June 2023

3X IEC Reliability Test

Prüfbericht - Produkte Test Report - Products		TÜVRheinland®	
Prüfbericht-Nr.: Test report no.:	IN22NYHE 001 ULR:TC68822400000307F	Auftrag-Nr.: Order no.:	146652774 Seite 1 von 98 Page 1 of 98
Kunden-Referenz-Nr.: Client reference no.:	1106312	Auftragsdatum: Order date:	17/02/2022
Auftraggeber: Client:	EMMVEE Photovoltaic Power Private Ltd. 11th Cross, Lakshmalah Block, 560024 Ganganagar, Bangalore, India		
Prüfgegenstand: Test item:	Photovoltaic (PV) module		
Bezeichnung / Typ-Nr.: Identification / Type no.:	ExxxHCBG 144 for detailed type designations see product details in page 3		
Auftrags-Inhalt: Order content:	Reliability tests as per Customer requirement		
Prüfgrundlage: Test specification:	Photovoltaic (PV) modules IEC 61215-1:2016; IEC 61215-1-1:2016; IEC 61215-2:2016; IEC 61730-1:2016; IEC 61730-2:2016; EN 61215-1:2016; EN 61215-1-1:2016; EN 61215-2:2017; EN IEC 61730-1:2018; EN IEC 61730-2:2018		
Wareneingangsdatum: Date of sample receipt:	20/12/2021		
Prüfmuster-Nr.: Test sample no.:	Refer List of Test samples		
Prüfzeitraum: Testing period:	22/12/2022 – 13/05/2022		
Ort der Prüfung: Place of testing:	#27/B, 2nd Cross Road, Electronics City Phase-1, 560100, Bengaluru, India		
Prüflaboratorium: Testing laboratory:	TUV Rheinland (India) Pvt. Ltd.		
Prüfresultat: Test result:	Pass		
geprüft von: tested by:	Manoj Kural	genehmigt von: authorized by:	K.Ganesh Kamath
Datum: Date:	28/07/2022	Ausstellungsdatum: issue date:	28/07/2022
Stellung / Position:	Engineer-Products(S&C)	Stellung / Position:	Manager-Products(S&C)
Sonstiges / Other:			
Zustand des Prüfgegenstandes bei Anlieferung: Condition of the test item at delivery:		Prüfmuster vollständig und unbeschädigt Test item complete and undamaged	
<p>Legende: 1 = sehr gut 2 = gut 3 = befriedigend 4 = ausreichend 5 = mangelhaft Pass = entspricht o.g. Prüfgrundlage(n) Fail = entspricht nicht o.g. Prüfgrundlage(n) NA = nicht anwendbar NUT = nicht getestet 1 = very good 2 = good 3 = satisfactory 4 = sufficient 5 = poor Pass = passed a.s. test specification(s) Fail = failed a.s. test specification(s) Nil = not applicable NOT = not tested</p> <p>Dieser Prüfbericht bezieht sich nur auf das o.g. Prüfmuster und darf ohne Genehmigung der Prüfstelle nicht auszugsweise veröffentlicht werden. Dieser Bericht berechtigt nicht zur Verwendung eines Prüfschildes. This test report only relates to the a. m. test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any test mark.</p>			
TUV Rheinland (India) Pvt. Ltd. #27/B, 2nd Cross Road, Electronics City Phase-1, 560100, Bengaluru, India Mail: info@india.tuv.com • Web: www.india.tuv.com			

Prüfbericht - Produkte Test Report - Products		TÜVRheinland®	
Prüfbericht-Nr.: Test Report No.:	IN22NYHE 001 ULR:TC68822400000307F	Seite 3 von 110 Page 3 of 110	
Abatz:	Messergebnisse - Bemerkungen	Bewertung	
Clause:	Anforderungen - Prüfungen / Requirements - Tests	Measuring results - Remarks	Evaluation
1	General		
1	Product details		
1.1	Module type designation Sapphire Series with Mono Bifacial Half cut cells with Glass Back sheet(Bifacial modules) ExxxHCBG144 (xxx=630-646 in steps of 1 with 144 cells) xxx represents output power in Wp		
2	Used materials		
	See Constructional Data Form in the Annexure C of this report		
3	Address(es) of the manufacturing site(s)		
	Emmvee Photovoltaic Power Private Limited, SY NO.66-70/3, Pemmanahalli village, Sompura Hobli, Dabaspet, Nelamangala taluk, Bengaluru rural district, Karnataka, 562111		
4	Electrical ratings		
Module type	E54SHCBG144		
Pmpp [W]	545.0		
Isc [A _{oc}]	13.88		
Voc [V]	49.75		
Imp [A _{sc}]	13.10		
Vmp [V]	41.61		
Maximum system voltage [V]	1500		
Maximum over-current protection rating [A]	30		
6	Summary of test results		
	According to the inquiry of the customer for Reliability test requirements, tests according to IEC 61215:2016 and IEC, 61730:2016, the below listed tests have been conducted on the module Type E54SHCBG144 and results were incorporated in this report: IN22NYHE 001		
	<ol style="list-style-type: none"> Thermal Cycling test(20): 500 cycles UV Pre conditioning test: 45KWh/m² Thermal Cycling test(50) : 150 cycles Humidity freeze test: 30 cycles Damp heat(1000hrs): 3000hrs 		

Emmvee modules have been
used in the field for more than 15 years...



Major Customers



TRC Solar Inc.
Canada



YOUR RELIABLE
PARTNER FOR
SOLAR ENERGY
SINCE 1992

A Few Esteemed Customers



214MW

185MW



115MW

136MW



202MW

45MW

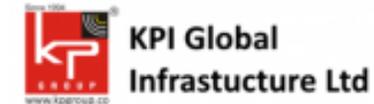


61MW

35MW



38MW



YOUR RELIABLE
PARTNER FOR
SOLAR ENERGY
SINCE 1992

Bankability

List of international and domestic lenders funding projects with Emmvee PV modules

International Lenders

 **DZ BANK**
Die Initiativbank

 Sparkasse
Niederlausitz

 Sparkasse
Leipzig

Standard
Chartered 

 MOSAIC®

 goodleap

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Performance Testimonials - NHPC and L&T



एन एच पी सी
NHPC



एन एच पी सी
एक ब्रह्म सत्यम् वै ज्ञेयम्

एन एच पी सी लिमिटेड
(भारत सरकार का उद्योग)

NHPC Limited
(A Government of India Enterprise)

फोन/Phone : _____
दिनांक/Date : **04.08.2021**

संदर्भ सं./ Ref. No. _____

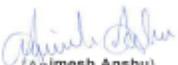
TO WHOM IT MAY CONCERN

We hereby confirm that 55 MWp of Emmvee Polycrystalline Modules (315 Wp, 320 Wp, 325 Wp & 330 Wp) has been supplied by M/s. Emmvee Photovoltaic Power Private Limited [EMMVEE] for NHPC 55 MW (DC)/50 MW (AC) Solar Power Plant at Theni District, Tamilnadu which is operational since March 2018.

This certificate is being issued on request of M/s. Emmvee Photovoltaic Power Private Limited [EMMVEE] # 13/1, International Airport Road, Bettahalasur Post, Bengaluru - 562157 received vide email dated 03.08.2021 .

This certificate is being issued for submission in NTPC limited only and has no obligation of issuer.

Sincerely,



(Animesh Anshu)
Senior Manager (RE)

Rohit Dhar
Chief operating Officer
M/s Emmvee Photovoltaic Power Private Limited
13/1, International Airport Road, Bettahalasur Post,
Bengaluru -562157

पंजीकृत कार्यालय : एन एच पी सी ऑफिस कॉम्प्लेक्स, सेक्टर-33, फरीदाबाद - 121 003, हरियाणा
 Regd. Office : NHPC Office Complex, Sector-33, Faridabad - 121 003, Haryana
 CIN : L40101HR1975G01032564; Website : www.nhpcindia.com
 E-mail : webmaster@nhpc.nic.in; EPABX No. : 0129-2586110/2598500
 बिजली से संबंधित शिकायतों के लिए 1912 नम्बर करें। Dial 1912 for Complaints on Electricity



LARSEN & TOUBRO

Larsen & Toubro Limited
L&T Construction
Power Transmission & Distribution
Mount Poonamallee Road
Manipakkam, P. O. No. 979
Chennai 600089, INDIA

PERFORMANCE CERTIFICATE

TO WHOMSOEVER IT MAY CONCERN

This is to certify that M/s. Emmvee Photovoltaic Power Private Limited [EMMVEE], International Airport Road, Bettahalasur Post, Bengaluru -562157 had supplied us 55 MWp of polycrystalline PV modules comprising of 315Wp, 320Wp, 325Wp & 330Wp ratings for our below Project

Project Details:

Project Name: 55 MW(DC) /50 MW (AC) NIIPC SOLAR Power Plant.
 Project Location: Theni Dist., Tamil Nadu, 625602.
 Po No: EG755PO7000003 dated 21st Sept 2017.
 Supply Completion date: Dec -2017.

The Performance of the Modules is found satisfactory

This Certificate is issued on request of M/s. Emmvee and is without prejudice to the terms & conditions (including performance commitments) of our Purchase order.



Stamp & Signature:
Name & Designation: Mr. Sanjay, Head-Operations.
Email: kumarsanjay@intecce.com;
Date: 31.08.2018



Tel : +91-44-2270 4000 2270 5000 Fax : +91-44-2270 5482 www.Ltgroup.com
 Registered Office: L&T House, N. M. Amal Ballard Estate, Alumbala - 400 001, INDIA
 License No. : CIN - L35999MH11946PLC004788
 L&T Construction - Power Transmission & Distribution is a brand of Larsen & Toubro Limited

Performance Testimonials - Aditya Birla

ADITYA BIRLA RENEWABLES SPV 1 LIMITED

Registered Office: A-4, Aditya Birla Centre, S. K. Ahire Marg, Worli, Mumbai - 400 030, Maharashtra, India
Corporate Identity Number: U40300MH2017PLC296313
Phone: +91 22 2499 5000, 6652 5000, Fax: +91 22 2499 5821, 6652 5821
Email: abrespv@adityabirla.com

PERFORMANCE CERTIFICATE

TO WHOMSOEVER IT MAY CONCERN

This is to certify that M/s. Emmvee Photovoltaic Power Private Limited, # 13/1, International Airport Road, Bettahalalur Post, Bengaluru -562157 had supplied us 4 MW of Polycrystalline PV modules comprising of 320Wp & 325Wp ratings for our below Project:

Project Details

Project Name : 5 MWp Sewagram Cement Works
Project Location : Sewagram Cement Works,
C/o Ultratech Cement, Village Vayor
Taluka, Abdasa Distt: Kutch
Gujarat. Pin 370511
Supply Time : 03.05.2018
Commissioning Time : 14.08.2018
PO Reference No. : 1500001885 dt 03.05.2018 (Waree Energies Ltd)

The supply Order was completed successfully by M/s EMMVEE. The Performance of the Modules is found satisfactory and are in successful operation.

For Aditya Birla Renewables SPV 1 Limited


Jitesh Kumar
Manager – Purchase (Solar Power Business)
Email: jitesh.k@adityabirla.com

Date : 20th July 2021

ADITYA BIRLA RENEWABLES SUBSIDIARY LIMITED

Registered Office: A-4, Aditya Birla Centre, S. K. Ahire Marg, Worli, Mumbai - 400 030, Maharashtra, India
Corporate Identity Number: U40108MH2018PLC309087
Phone: +91 22 2499 5000, 6652 5000, Fax: +91 22 2499 5821, 6652 5821
Email: abrst@adityabirla.com

PERFORMANCE CERTIFICATE

TO WHOMSOEVER IT MAY CONCERN

This is to certify that M/s. Emmvee Photovoltaic Power Private Limited, # 13/1, International Airport Road, Bettahalalur Post, Bengaluru -562157 had supplied us 30 MW of Polycrystalline PV modules comprising of 320Wp & 325Wp ratings for our below Project:

Project Details

Project Name : 30 MWp Lapanga
Project Location : C/o Aditya Birla Renewables Subsidiary Ltd
Lapanga Village, Tahsi-Rengali, Sambalpur
Orissa, Pin 768212
Supply Time : 12.09.2018
Commissioning Time : 02.11.2018
PO Reference No. : 5000025127 dt 12.09.2018 (Tata Power Solar)

The supply Order was completed successfully by M/s EMMVEE. The Performance of the Modules is found satisfactory and are in successful operation.

For Aditya Birla Renewables Subsidiary Limited


Jitesh Kumar
Manager – Purchase (Solar Power Business)
Email: jitesh.k@adityabirla.com

Date : 20th July 2021

Corporate Office: Birla Aurora, 11th Floor, Dr. Annie Besant Road, Worli, Mumbai - 400 030, Maharashtra, India
T: +91 22 2439 9220 / 6110 9720

Performance Testimonials - Aditya Birla



Date: 19-07-2022

PERFORMANCE CERTIFICATE TO WHOMSOEVER IT MAY CONCERN

This is to certify that M/s Emmvee Photovoltaic Power Private Limited, # 13/1, International Airport Road, Bettahalasur Post, Bangalore – 562157 had supplied 50 MWp of 325 Wp & 330 Wp Polycrystalline Photovoltaic Modules for our below project as below:

Project Details:
Project Name : 50 MWp Talsana Project - Aditya Birla Renewables Ltd
Owner : ADITYA BIRLA RENEWABLES LIMITED
Project Location : Village - Rojasar, Fulwadi, Ranagadh
Taluka - Limbdi
Surendranagar - District
Gujarat
Supply Time : September - October 2020
Commissioning Time : November, 2020

The Supply Order was completed successfully by M/s EMMVEE. The Performance of the Solar Photovoltaic Modules is found satisfactory till date and are in successful operation.

For Aditya Birla Renewables Limited



Jitesh Kumar
Manager - Purchase (Solar Power Business)
Email: jitesh.k@adityabirla.com



Aditya Birla Renewables Limited
Registered Office: A-4, Aditya Birla Centre, S K Ashie Marg, Worli, Mumbai 400 030, Maharashtra, India
T: +91 22 2499 5000 / 4452 5000 | F: +91 22 4452 5821 / 2499 5821
E: abrel@adityabirla.com | W: www.adityabirla.com
Administrative Office: Birla Aurrera, 11th Floor, Dr. Annie Besant Road, Worli, Mumbai - 400 030, Maharashtra, India
T: +91 22 2439 9220 / 4110 9220
Corporate ID No.: U40300MH2015PLC267263



PERFORMANCE CERTIFICATE TO WHOMSOEVER IT MAY CONCERN

This is to certify that M/s Emmvee Photovoltaic Power Private Limited, # 13/1, International Airport Road, Bettahalasur Post, Bangalore – 562157 had supplied 41.50 MWp of 325 Wp & 330 Wp Polycrystalline Photovoltaic Modules for our below project as below:

Project Details:
Project Name : 30 MW Solar Power Plant- Aditya Birla Renewables Ltd
Owner : ADITYA BIRLA RENEWABLES LIMITED
Project Location : Pipardi, Taluka – Jeshner, District Bhavnagar
Gujarat
Supply Time : September 2019
Commissioning Time : February 2020

The Supply Order was completed successfully by M/s EMMVEE. The Performance of the Solar Photovoltaic Modules is found satisfactory till date and are in successful operation.

For ADITYA BIRLA RENEWABLES LIMITED



Jitesh Kumar
Manager - Purchase (Solar Power Business)
email: jitesh.k@adityabirla.com

Date : 20th July 2022

Aditya Birla Renewables Limited
Registered Office: A-4, Aditya Birla Centre, S K Ashie Marg, Worli, Mumbai 400 030, Maharashtra, India
T: +91 22 2499 5000 / 4452 5000 | F: +91 22 4452 5821 / 2499 5821
E: abrel@adityabirla.com | W: www.adityabirla.com
Administrative Office: Birla Aurrera, 11th Floor, Dr. Annie Besant Road, Worli, Mumbai - 400 030, Maharashtra, India
T: +91 22 2439 9220 / 4110 9220
Corporate ID No.: U40300MH2015PLC267263

Performance Testimonials - Sterling & Wilson

STERLING & WILSON 

PERFORMANCE CERTIFICATE

TO WHOMSOEVER IT MAY CONCERN

This is to certify that M/s. Emmvee Photovoltaic Power Private Limited [EMMVEE], # 13/1, International Airport Road, Bettahalur Post, Bengaluru -562157 had supplied us 41.50 MW of Polycrystalline PV modules comprising of 325Wp and 330Wp ratings for our below Project :

Project Details

Project Name : 30 MW Solar Power Plant

Project Location : Pipardi, Taluka-Jesher, Dist-Bhavnagar.

Module Sale Contract date : 12th September 2019

Supply Time : February 2020

The supply Contract was completed successfully by M/s EMMVEE. The Performance of the Modules is found satisfactory and is in successful operation.

For Sterling and Wilson Solar Limited.,



Authorised Signatory
Name: Shyam Sunder Jangid
Designation: Head North – East
Email ID: Shyam.Sunder@Sterlingwilson.com
Date: 15-12-2021

Sterling and Wilson Solar Limited
(Formerly known as Rashmika Energy Private Limited)
Associates of: Shapoorji Pallonji and Company Private Limited
Registered Office: Universal Majestic, 9th Floor, P. L. Lokhande Marg, Chembur (W), Mumbai – 400 043
Branch Office: Ground Floor, A-25, Imperia Building, Near Metro Pillar Number 67-68,
Mohan Cooperative Mathura Road New Delhi-110044
Phone: (91-11) 6613 4600 | CIN: U74999MH2017PLC292281
Email: info@sterlingwilsonsolar.com | www.sterlingandwilsonsolar.com

STERLING & WILSON 

PERFORMANCE CERTIFICATE

TO WHOMSOEVER IT MAY CONCERN

This is to certify that M/s. Emmvee Photovoltaic Power Private Limited [EMMVEE], # 13/1, International Airport Road, Bettahalur Post, Bengaluru -562157 had supplied us 50 MW of Polycrystalline PV modules comprising of 325Wp and 330Wp ratings for our below Project :

Project Details

Project Name : 50 MWp Aditya Birla Renewables Ltd

Project Location : Village- Fulwadi and Ranagadh,
Taluk- Limbdi, Dist- Surendranagar.

Module Sale Contract date : 13th Sep 2019

Supply Time : September 2020

The supply Order was completed successfully by M/s EMMVEE. The Performance of the Modules is found satisfactory and is in successful operation.

For Sterling and Wilson Solar Limited.,



Authorised Signatory
Name: Shyam Sunder Jangid
Designation: Head North – East
Email ID: Shyam.Sunder@Sterlingwilson.com
Date: 15-12-2021

Sterling and Wilson Solar Limited
(Formerly known as Rashmika Energy Private Limited)
Associates of: Shapoorji Pallonji and Company Private Limited
Registered Office: Universal Majestic, 9th Floor, P. L. Lokhande Marg, Chembur (W), Mumbai – 400 043
Branch Office: Ground Floor, A-25, Imperia Building, Near Metro Pillar Number 67-68,
Mohan Cooperative Mathura Road New Delhi-110044
Phone: (91-11) 6613 4600 | CIN: U74999MH2017PLC292281
Email: info@sterlingwilsonsolar.com | www.sterlingandwilsonsolar.com

Performance Testimonials - DRES

DRES Energy Private Limited

TO WHOM SO EVER IT MAY CONCERN

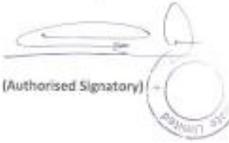
THIS IS TO CERTIFY THAT 'M/s Emmvee Photovoltaic Power Private limited' having its Registered Office at # 55, "Solar Tower", 6th Main, 11th Cross, Lakshmaiah Block, Ganganagar, Bangalore - 560024 and Corporate office at # 1B/1, International Airport Road, Bettahalur Post, Bangalore - 562157 has successfully Completed the works of Engineering, Procurement, Construction (EPC) including entire manufacture and supply of EMMVEE polycrystalline Solar Photovoltaic Modules of 15 MWp Capacity comprising of 300 Wp, 305 Wp, 310 Wp and 315 Wp ratings for our following solar projects :

Sr No.	Name of the Project	Location	EPC Agreement Date including manufacture & supply of EMMVEE Polycrystalline PV Modules	Synchronization Date
1	DRES ENERGY Pvt. Ltd -08 MW Solar PV Plant	Lingampally (V) Municipality (M) of Medak District of Telangana State	20-01-2016	25-03-2017
2	DRES ENERGY Pvt. Ltd.- 07 MW Solar PV Plant	Bahadurpally (V) Quthubullapur (M) Medchal District of Telangana State	20-01-2016	28-12-2017

The Performance of the EMMVEE Solar Photovoltaic Modules is found satisfactory till date and these are in successful operation.

This certificate is issued on 11th September 2021 at Bangalore

For DRES Energy Private Limited


 (Authorised Signatory)

No.55, Solar Tower, 6th Main, 11th Cross, Lakshmaiah Block, Ganganagar, Bangalore - 560024 Phone +91 80 4323 3311 Fax +91 80 2333 2060
 Email info@emmvee.in Website www.emmvee.com CIN U40104KA2012PC033148

Certifications - BIS



भारतीय मानक ब्यूरो
(भारत) ब्यूरो ऑफ इंडियन स्टैंडर्ड्स, नई दिल्ली
BUREAU OF INDIAN STANDARDS
(Ministry of Consumer Affairs, Food & Public Distribution, Govt. of India)

मानक भवन, 9 बहादुर शाह ज़ाफर मार्ग, नई दिल्ली - 110002
 Manak Bhavan, 9 Bahadur Shah Zafar Marg, New Delhi - 110002
 टेलीफोन / Phone : +91-11-23230856/2323010131/23233375/23239402
 ई-मेल / E-mail : registration@bis.gov.in
 वेबसाइट / Website : <https://bis.gov.in/>, <https://www.csis.in/BIS/>

Our Ref: Registration/CRS 2022-1004-R-62002976

Date:25-03-2022

Subject : Licence Document

Manufacturing Unit :	Emmvee Photovoltaic Power Private Limited SY.NO.66-70/3, PEMMANAHALLI VILLAGE, SOMPURA HOBLI, DABASPET, NELAMANGALA TALUK, BENGALURU RURAL DISTRICT KARNATAKA,India-562111 info@emmvee.in 08022174333	
----------------------	--	--

Dear Sir,

1. With reference to your Application, we are pleased to inform you that it has been decided to grant you licence as per details given below :

Product Category:	CRYSTALLINE SILICON TERRESTRIAL PHOTOVOLTAIC (PV) MODULES (Si wafer based)
Product Name:	Crystalline Silicon Terrestrial Photovoltaic (PV) modules (Si wafer based)
IS NO :	IS 14286 : 2010/ IEC 61215 : 2005, IS/IEC 61730 (PART 1) : 2004 & IS/IEC 61730 (PART 2) : 2004
Brand (As Declared by Manufacturer) :	EMMVEE
Model :	[Brand -> EMMVEE, Models -> E405HCBG120, E405HCMW120, E410HCBG120, E410HCMW120, E415HCBG120, E415HCMW120, E420HCBG120, E420HCMW120, E425HCBG120, E425HCMW120, E430HCBG120, E430HCMW120, E435HCBG120, E435HCMW120, E440HCBG120, E440HCMW120, E445HCBG120, E445HCMW120, E450HCBG120, E450HCMW120, E495HCBG144, E495HCMW144, E500HCBG144, E500HCMW144, E505HCBG144, E505HCMW144, E510HCBG144, E510HCMW144, E515HCBG144, E515HCMW144, E520HCBG144, E520HCMW144, E525HCBG144, E525HCMW144, E530HCBG144, E530HCMW144, E535HCBG144, E535HCMW144, E540HCBG144, E540HCMW144, E545HCBG144, E545HCMW144]
Factory Address :	SY.NO.66-70/3, PEMMANAHALLI VILLAGE, SOMPURA HOBLI, DABASPET, NELAMANGALA TALUK, BENGALURU RURAL DISTRICT KARNATAKA,India-562111

- The licence is being granted for your unit located at the address and for the brand and models mentioned at serial no 1 above.
- The number assigned to this Licence is **R-62002976** which has been made operative from **25-03-2022** and is valid upto **24-03-2024**. The Licence Number should invariably be referred to in your future correspondence.
- The rights and privileges under the licence shall not be exercised by any other factory / organization at any other location. This licence is not transferable. In the event of shifting of the manufacturing machinery from the registered premises to some other place use of the licence Number shall be stopped and BIS shall be informed.
- The licensee shall comply with the provisions of the Act, rules and regulations framed thereunder and as amended from time to time.
- The licensee shall follow the guidelines for the use of Standard Mark and labeling requirements as per Annex-I.
- The licensee shall not use the licence in any manner which contravenes the provisions of Act, rules and regulations framed thereunder and as amended from time to time.
- Upon expiry of validity, stoppage or suspension or cancellation of licence, you shall discontinue forthwith the self declaration of conformity to the relevant Indian Standard(s) and withdraw all promotional and advertising matter which contains any reference thereto.
- For renewal of licence, the licensee shall have to apply to BIS three months in advance before expiration of the licence and application form for renewal is available on BIS website.
- The licence is not transferable. Kindly acknowledge receipt of this letter.

Thanking you,

Yours faithfully,
 (Sundeep Kumar)
 Sc. D
 Telfax : +91-11-23230856
 E-mail : registration@bis.gov.in

Note: This is a system generated letter. Hence signature is not required. To verify authentication of letter, kindly scan the QR code on this letter.



YOUR RELIABLE PARTNER FOR SOLAR ENERGY SINCE 1992

Almm listing is mandatory for PV modules to be deployed in India

F. No. 283/54/2018-GRID SOLAR-Part(1)

भारत सरकार / Government of India

नवीन और नवीकरणीय ऊर्जा मंत्रालय / Ministry of New & Renewable Energy

ग्रिड सौर ऊर्जा प्रभाग / Grid Solar Power Division

Block No. 14, C.G.O. Complex,
Lodhi Road, New Delhi - 110003.

Dated: 30th December, 2021

OFFICE MEMORANDUM

Sub: Updation of List I (Manufacturers and Models of Solar PV Modules) of ALMM Order, 2019 - Reg.

Reference is invited to this Ministry's O.Ms of even no. dated 10.03.2021, regarding implementation of Approved Models and Manufacturers of Solar Photovoltaic Modules (Requirement for Compulsory Registration) Order, 2019 and publishing List - I (Manufacturers and Models of Solar PV Modules) of ALMM Order, 2019.

2. The List - I (Manufacturers and Models of Solar PV Modules) of ALMM Order, 2019 has been updated vide this Ministry's O.Ms of even no. dated 17.08.2021, 29.09.2021 and 10.11.2021.

3. This Ministry has further updated the List - I (Manufacturers and Models of Solar PV Modules) of ALMM Order, 2019 as on 30.12.2021, i.e. Revision - 4 and the same is enclosed herewith as Annexure - I.

4. This issues with the approval of Hon'ble Minister (NRE & Power).

(Ayush Gupta)
Scientist-B

Tel: 011 - 24363498

E-mail : ayush.mnre@gov.in

To: All Concerned

CC: Director (Technical), NIC, MNRE for uploading this document on MNRE's website

Annexure - I
Revision - IV

Detailed List of Manufacturers and Models of Solar PV Modules Recommended under ALMM Order (As on 30.12.2021)

S. No.	Name of the Manufacturer	Location of Manufacturing Facility	Enlisted Capacity (MW _p /Year)	S. No.	Type of Module	Applied Model	Enlisted Models	No. of Cells in Module	System Voltage (in Volt)	Validity	
										From	To
4	Emmvee Photovoltaic Power Pvt. Ltd.	Bettahalaturu, Bengaluru, Karnataka, India	500	i	Multi C-Si Module	E335P72 (335 Wp)	E3320P72	72 (Full Cells)	1500	10.03.2021	09.03.2023
							E3325P72				
							E3330P72				
							E3335P72				
							E340P72				
							E345P72				
							E350P72				
							E355P72				
				ii	Multi C-Si Module	E280P60 (280 Wp)	E270P60	60 (Full Cells)	1500	10.03.2021	09.03.2023
							E275P60				
							E280P60				
							E285P60				
				iii	Mono PERC Module	E380M72 (380 Wp)	E365M72	72 (Full Cells)	1500	10.03.2021	09.03.2023
							E370M72				
							E375M72				
							E380M72				
E385M72											
E390M72											
E395M72											
E399M72											
iv	Mono PERC Module	E315M60 (315 Wp)	E300M60	60 (Full Cells)	1500	10.03.2021	09.03.2023				
			E305M60								
			E310M60								
			E315M60								
			E320M60								
			E325M60								
			E330M60								
			E335M60								

Almm for higher Watt Peak Modules

List of Manufacturers and Models of Solar PV Modules enlisted under ALMM Order (As on 27.09.2022)

S. No.	Name of the Manufacturer	Location of Manufacturing Facility	Enlisted Capacity (MWs / Year)	S. No.	Type of Module	Applied Model	Enlisted Models	No. of Cells in Module	System Voltage (in Volt)	Validity						
										From	To					
73	M/s. Emmvee Photovoltaic Power Private Limited	Sy. No. 66-70/3, Pemmanahalli Village, Sompura Hobli, Dabaspet, Nelanangala Taluk, Bengaluru rurak District, Karnataka	525	i	Mono C-Si PERC Monofacial Modules	E520HCMW144 (520 Wp)	E545HCMW144	144 (Half Cut Cells)	1500	27.09.2022	26.09.2024					
							E540HCMW144			27.09.2022	26.09.2024					
							E535HCMW144			27.09.2022	26.09.2024					
							E530HCMW144			27.09.2022	26.09.2024					
							E525HCMW144			27.09.2022	26.09.2024					
							E520HCMW144			27.09.2022	26.09.2024					
							E515HCMW144			27.09.2022	26.09.2024					
							E510HCMW144			27.09.2022	26.09.2024					
							E505HCMW144			27.09.2022	26.09.2024					
							E500HCMW144			27.09.2022	26.09.2024					
							E495HCMW144			27.09.2022	26.09.2024					
							ii			Mono C-Si PERC Bi-Facial Modules	E520HCBG144 (520 Wp)	E545HCBG144	144 (Half Cut Cells)	1500	27.09.2022	26.09.2024
				E540HCBG144	27.09.2022	26.09.2024										
				E535HCBG144	27.09.2022	26.09.2024										
				E530HCBG144	27.09.2022	26.09.2024										
				E525HCBG144	27.09.2022	26.09.2024										
				E520HCBG144	27.09.2022	26.09.2024										
				E515HCBG144	27.09.2022	26.09.2024										
				E510HCBG144	27.09.2022	26.09.2024										
				E505HCBG144	27.09.2022	26.09.2024										
				E500HCBG144	27.09.2022	26.09.2024										
				E495HCBG144	27.09.2022	26.09.2024										
				iii	Mono C-Si PERC Monofacial Modules	E430HCMW120 (430 Wp)		E450HCMW120	120 (Half Cut Cells)			1500			27.09.2022	26.09.2024
							E445HCMW120	27.09.2022		26.09.2024						
							E440HCMW120	27.09.2022		26.09.2024						
							E435HCMW120	27.09.2022		26.09.2024						
							E430HCMW120	27.09.2022		26.09.2024						
							E425HCMW120	27.09.2022		26.09.2024						
							E420HCMW120	27.09.2022		26.09.2024						
							E415HCMW120	27.09.2022		26.09.2024						
							E410HCMW120	27.09.2022		26.09.2024						
							iv	Mono C-Si PERC Bi-Facial Modules		E430HCBG120 (430 Wp)	E450HCBG120		120 (Half Cut Cells)	1500	27.09.2022	26.09.2024
											E445HCBG120				27.09.2022	26.09.2024
											E440HCBG120				27.09.2022	26.09.2024
				E435HCBG120	27.09.2022	26.09.2024										
				E430HCBG120	27.09.2022	26.09.2024										
				E425HCBG120	27.09.2022	26.09.2024										
				E420HCBG120	27.09.2022	26.09.2024										
				E415HCBG120	27.09.2022	26.09.2024										
				E410HCBG120	27.09.2022	26.09.2024										

Achievements

**INDIA CLEAN ENERGY NEWS
ROUNDUP 08 MAY 2017**

EMMVEE IS **2nd**
IN MODULE MANUFACTURING
IN INDIA BY MERCOM



MERCOM
CORPORATION OF FINANCIAL INDIA

EMMVEE | 25 YEARS OF TRUST
Since 1992

EMMVEE

Source  BRIDGE TO INDIA

 **TOP INDIAN
SOLAR PV MODULE**

MANUFACTURER AND SUPPLIER BY MARKET SHARE



Source  BRIDGE TO INDIA

Emmvee Ranked

NO.1

Indian Module Supplier*



Awards & Accolades

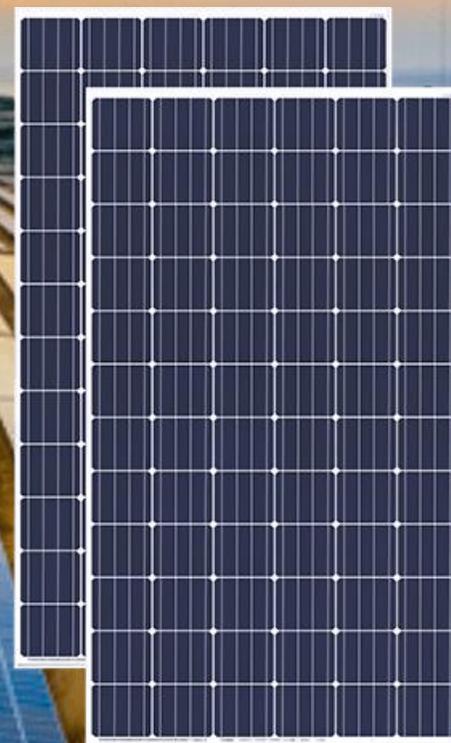
- Young Entrepreneur Of The Year 2002
- National Award 2002-2007
- Business Leader Of The Year 2008
- Best Performing SME Awarded CNBC TV18 2010
- Best Manufacturer Exporter Award 2011
- Outstanding Export Performance Award 2011
- Best PV Module Manufacturer & Solar Power Developer Award 2014



- Surya Urja Bhushan Award 2015
- Solar PV Module Manufacturer of The Year 2016
- Leading RE Manufacturer 2016
- Winner of Customer Choice Award 2017
- Solar Consumer Choice Award 2018
- Solar Module Company of the Year 2020
- Business Leadership Excellence Award 2020



Emmvee Photovoltaic Modules



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SINCE 1992