



Certificate No. : TC-5389

ELECTRICAL RESEARCH AND DEVELOPMENT ASSOCIATION

(Accredited by the National Accreditation Board for Testing and Calibration Laboratories, Govt. of India)

ERDA Road, Makarpura Industrial Estate, Vadodara-390 010, India.

EPABX : +91 (0265) 2642942, 2642964, 2642377, 3043128 / 29 / 30 / 31 / 33

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**TC538919000000648F****TEST REPORT**

Sheet 1 of 4

NAME & ADDRESS OF CUSTOMER M/s. FUJIYAMA POWER SYSTEMS PVT. LTD., (Formerly known as Fujiyama Power Systems), 53A, Rama Road Ind. Area, Near Sat Guru Ram Singh Marg Metro Station, Near NDPL Grid Office, Delhi-110015.	REPORT NO. : RP-1819-039000 DATE : 05.01.2019 CUSTOMER REF. NO. : Letter dtd. : 15.11.2018 <table border="1"> <tr> <th data-bbox="933 638 1252 705">DATE OF SAMPLE RECEIPT</th> <th data-bbox="1268 638 1540 705">DATE OF TESTING</th> </tr> <tr> <td data-bbox="933 716 1252 772">02.01.2019</td> <td data-bbox="1268 716 1540 772">03.01.2019</td> </tr> </table>		DATE OF SAMPLE RECEIPT	DATE OF TESTING	02.01.2019	03.01.2019
DATE OF SAMPLE RECEIPT	DATE OF TESTING					
02.01.2019	03.01.2019					
SAMPLE DESCRIPTION Solar Photovoltaic Module Brand : "UTL", Module Type: UTL325W, MANUFACTURING YEAR:2018, 24 VOLT, 325 WATT, MAKE IN INDIA, Rated Power (Pmax): 325W, Rated Voltage (Vmp) : 38.25V, Rated Current (Imp) : 8.55A, Open Circuit Voltage (Voc): 45.62V, Short Circuit Current (Isc): 9.07A Output Tolerance: 0 to +3%, Maximum System Voltage: 1000V, Module Weight: 21.0Kg. Following Specifications were declared by Customer : Module Type: Poly Crystalline, Cell Efficiency: 19.5%, Module Efficiency: 16.74%, No. of Cell in series: 72, No. of Cell in parallel: 1, Cell Area: 245.70 cm ² , Module Area: 19404 cm ² .	SAMPLE IDENTIFICATION ERDA Sample Code No.: ERDA-00294168					
TEST DETAILS 1. Performance at STC	TEST SPECIFICATION As per : IEC 61215-1-1: 2016 [Clause No. 11.6]					
Enclosures : As per page No.2 Remarks : As per attached Sheets.						
PREPARED BY 	CHECKED BY 	APPROVED BY Nitin L. Patel				

- Note :**
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Sr. No.	Particulars of test No. and clause no.	Requirement as per specification	Obtained value	Remarks
1.	Performance at STC [Clause No.11.6]	To determine the electrical performance of the module varies with load at STC. The measurement at STC is used to verify the name plate information of the module.	As per Annexure 1	Evaluate by customer

➤ Test method:

▪ Preconditioning

Initial stabilization of the module was obtained by exposing of the module to sunlight as per standard to an irradiation level of ≥ 10 kWh/m². After this preconditioning of the module we measure Performance at STC (standard test condition) as per the standard.

➤ ENCLOSURES:

- **Product photographs** : As per Annexure 2
[Photographs No. 1 & 2]
- **I-V curve of photovoltaic module at STC** : As per Annexure 3

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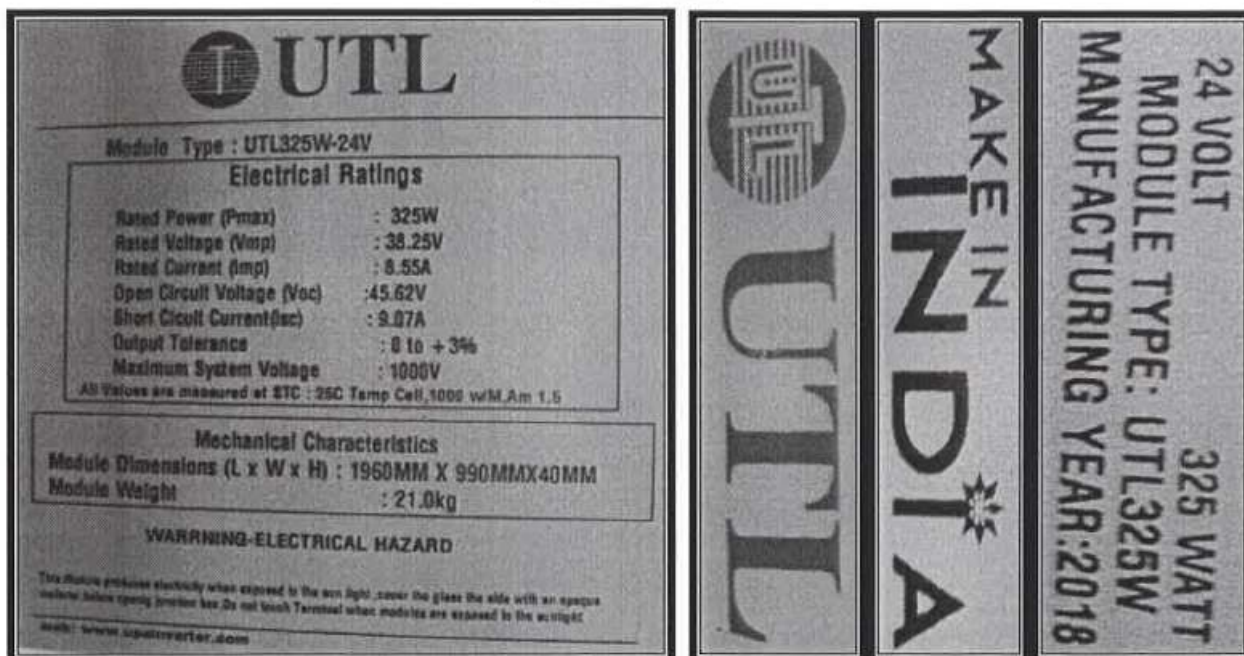
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Annexure 1

Irradiance: 1000W/m², Amb. Temp. : (25±1)°C, Corrected Cell temperature: 25°C

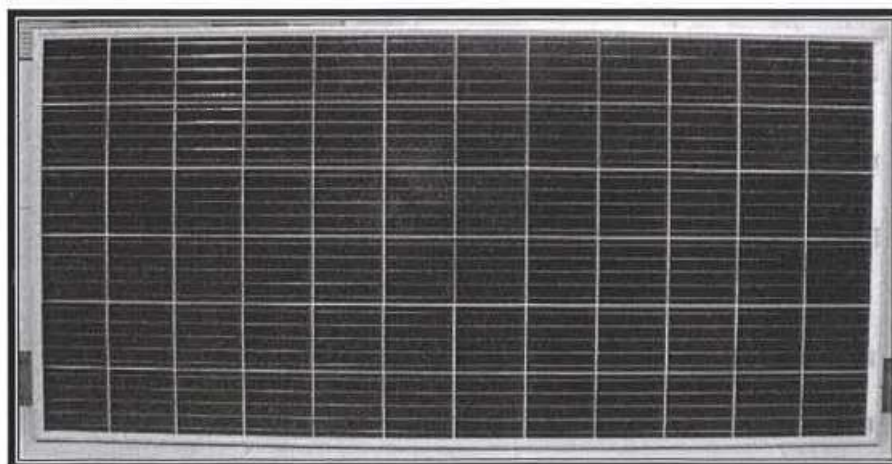
ERDA-Sample Code No.	Module Serial No.	Voc (V)	Isc (A)	Pmax (w)	Vpm (V)	Ipm (A)	FF	Module Eff. (%)	Cell Eff. (%)
00294168	UTLRZ18113250 836	46.619	9.328	326.995	36.987	8.841	0.752	16.852	18.484

Annexure 2



Photograph No. : 1

Photograph of marking of Photovoltaic Module



Photograph No. : 2

Complete photograph of Photovoltaic Module

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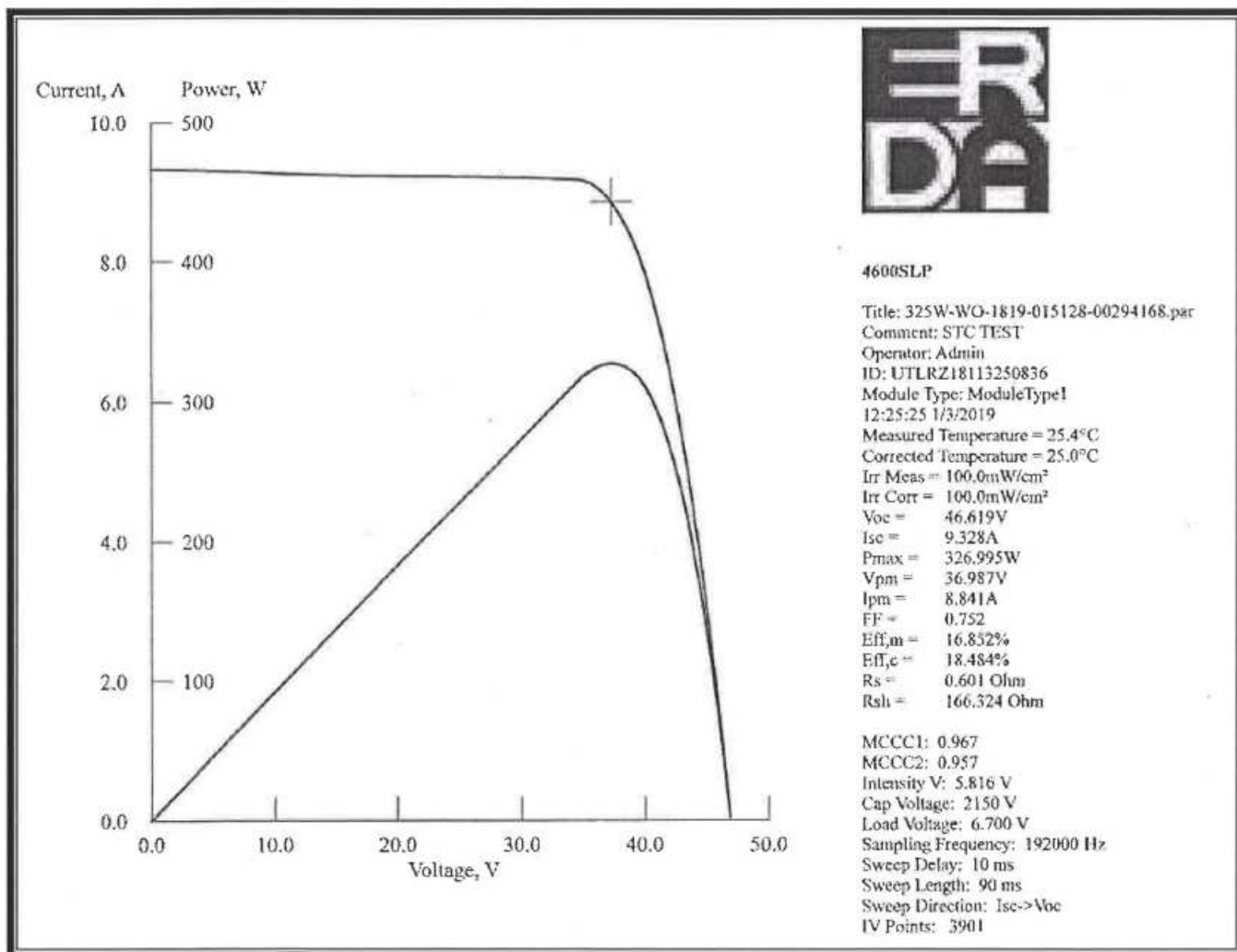


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Annexure 3



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[Signature]

