



National Institute of Solar Energy

AS PER THE TEST REPORT NO. TEST REPORT NO. 56 (1)/2017-18/PID/NISE & 56 (2)/2017-18/PID/NISE THE PHOTOVOLTAIC MODULES BEARING MODEL TEL24P300 & TEL18P250 MANUFACTURED AND SUBMITTED BY M/S TOPSUN ENERGY LIMITED , B-101, GIDC, ELECTRONIC ESTATE, SECTOR-26,GANDHINAGAR, PIN- 382028. FOR TESTING AT NISE MEETS THE REQUIREMENT TO PASS THE POTENTIAL INDUCED DEGRADATION TEST AS PER MNRE SPECIFICATIONS FOLLOWING THE TEST PROCEDURE AS PER IEC TS62804-12015).

TEST CONDITION: 4 MODULES [2(+V) and 2(-V)] BIASED AT 1000 V AND SUBJECTED TO 3 CYCLES AT 85% RELATIVE HUMIDITY AND 85°C TEMPERATURE FOR 96 HOURS IN AN ENVIRONMENTAL CHAMBER (TEST PROCEDURE AS PER IEC TS62804-12015)

MODEL TESTED TEL24P300 (300W module 72 cells in series 1 in parallel) and TEL18P250 (250W module 60 cells in series 1 in parallel)

TYPES EXTENDED FOR SIMILARITY WITH MULTI CRYSTALLINE SILICON SOLAR CELL TECHNOLOGY AS PER IEC TS62804-12015

Models Covered:

TEL24P *** (***=280 to 330, in step of 5, 72 cell)

TEL18P*** (***= (240 to 270, in step of 5, 60 cell)

Gopal Kumar
20/09/2017
Prepared by
Gopal Kumar
SRS

Rajesh Kumar
20/09/2017
Authorized Signatory
Dr. Rajesh Kumar
Deputy Director General

[Signature]
20/09/2017
Issued By

NATIONAL INSTITUTE OF SOLAR ENERGY

(FORMERLY KNOWN AS SOLAR ENERGY CENTRE)

(An autonomous institute of Ministry of New & Renewable Energy, Government of India)

Village & Post-Gwalpahari, Dist-Gurgaon, (Haryana), Pin - 122003.

Ph. 0124-2579251 (CSC), Fax: 0124-2579207