



BANGLADESH STANDARDS AND TESTING INSTITUTION
MAAN BHABAN
 (Physical Testing Wing)
 116/A, Tejgaon Industrial Area, Dhaka - 1208.



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TEST REPORT

Test Report No. 5023(1)

Phone : 02-55030092, 02-55030058

Customer's Reference No : 36.05.0000.302.51.063.22.123 Date of receipt of sample : 02/01/2023 Identification of test items : EE/3557/22-23 Solar Module [Terrestrial photovoltaic (PV) Module] Model: LR5-72HPH-550M, Size: (2278X1134X35)mm, Pmax: 550 (W), Voc- 49.80 (V), Isc- 13.98 (A), Vmp- 41.95 (V), Imp- 13.12 (A), Max ^m . system voltage: DC 1500 V, C/O: China. Brand: Lungi Solar (Stated) Importer : M/S Ananta Garments Ltd., Nischintapur, Ashulia, Savar, Dhaka. L/C: 285922023461; Date: 10-10-2022. Bill: C-1899250; Dt.: 20-11-2022. Name and address of customers : Director (CM) BSTI, 116/A, Tejgaon I/A, Dhaka-1208.	Lab. Reference No : 36.05.0000.403.29.002.23 Date of testing : 15/01/2023 - 23/01/2023 Sampling Plan : As per standard Test method used : BDS IEC 61215-1:2019 BDS IEC 61215-2:2019 BDS IEC 61730-1:2019 & BDS IEC 61730-2:2019
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Condition of the test item: The sample was in good condition and received duly sealed & signed.

Sl. No.	Description of tests	Standard limits	Test results	Remarks
1.	Visual Inspection	There shall be no visual evidence of major defects.	There was no visual evidence of major defects.	Passed
2.	Marking and documentation	Marking shall be clear and indelible.	Marking was clear and indelible.	Passed
3.	Insulation Test at 1000 V for 2 min.	Min ^m . 40 MΩ.m ²	1000+	Passed
4.	High Voltage Test at 4000 V for 1 min.	Shall withstand.	Withstood	Passed
5.	Insulation Thickness Test	Shall comply minimum thickness as per BDS IEC 61730-1:2019.	This test is not applicable to glass layers module.	---
6.	Durability of Marking	Marking shall be legible after rubbing by water and petroleum spirit successively for 15 s.	Marking was legible after rubbing by water and petroleum spirit successively for 15 s.	Passed
7.	Sharp edge Test	The accessible surfaces shall be smooth and free from sharp edges, burrs.	The accessible surfaces were smooth and free from sharp edges, burrs.	Passed

General Remarks:

- The sample having lab regn. No EE/3557/22-23 conforms to the requirements of BDS IEC 61215-1:2019, BDS IEC 61215-2:2019, BDS IEC 61730-1:2019 & BDS IEC 61730-2:2019, in respect of the above mentioned tests.
- Module size of the Sample no. EE/3557/22-23 is greater than sun simulator size, so, Open Circuit Test, Short Circuit Test & Maximum Power tests can't be performed.

Signature
 24-01-23
 প্রকৌঃ মোঃ আতিক উল্লাহ
 সহকারী পরিচালক (বিদ্যুৎ), মান উইং

Tested by

Signature
 24/01/23
 Engr. Md. Mayen Uddin
 Assistant Director (Electrical)

Signature
 24-01-23
 Authorized Signatory
 Engr. Mobin UI Islam
 Deputy Director (Physical)
 BSTI Dhaka

N. B.

- The results reported above pertain only to the sample tested and supplied to the laboratory.
- This report when required to be quoted or reproduced, has to reproduced or quoted in full.
- Reports are not allowed to be used or reproduced for any commercial purpose.
- Any complaint about test report if any should be reported within a month.
- The unspent portion of the samples may be auctioned/disposed off after three months from the date of issue of the said report.