

■ Test Criteria / Description

A. Technical features / declaration

1. Manufacturing quality
2. Cell defects
3. Specification label
4. Data sheet information
5. Designation
6. Existing certificates

B. Performance measurements

- Definition of maximum output
(measurement of characteristic curves with STC)*
2. Performance tolerances
 3. Degree of efficiency
 4. Bulk factor
 5. Measurement of performance temperature coefficient
 6. Measurement of characteristic curves at low radiation

C: Durability tests

1. Aging tests, humid and warm
2. Aging tests, temperature cycles
3. Mechanical durability tests

D. Electrical safety test

1. Surge voltage test
2. Insulation test
3. Test of insulation resistance under wet conditions
4. Accessibility test
5. Evidence test, electrical safety

E. Test of soft criteria