



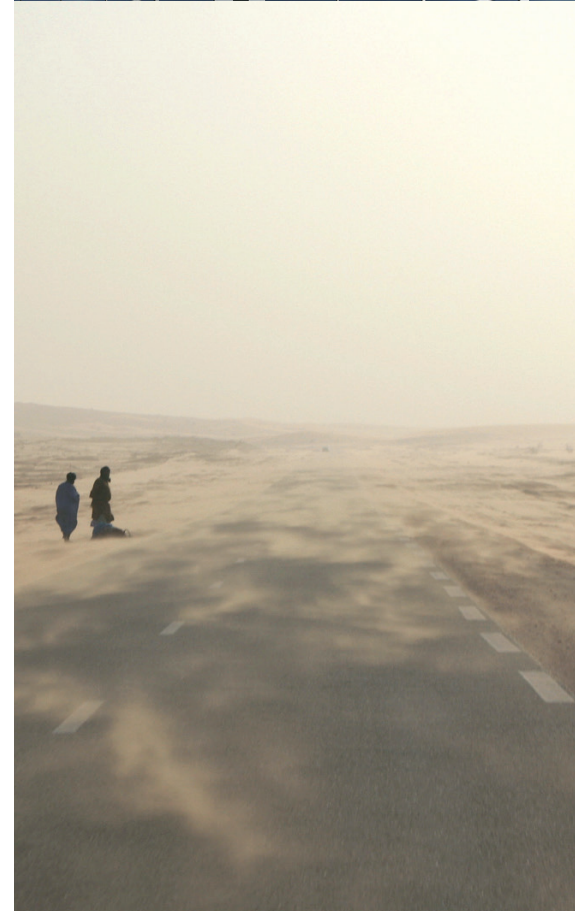
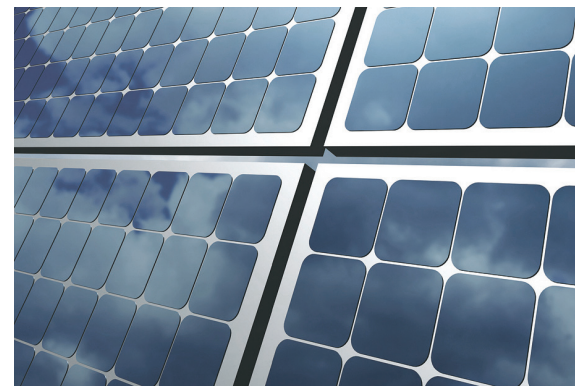
# Environmental testing for desert applications

*PV module sand and dust tests can provide significant insight into the module’s ability to perform in a desert environment, showing that there is little or minor effect on the surface of the module and its electrical performance, and that the module can bear the exposure of sand and dust. Sand and dust will not only cause abrasion of the PV module’s surface, it will affect the module’s irradiation absorption ability and might result in reducing the power generation efficiency and may even cause corrosion.*

## PV module sand and dust tests

UL’s sand and dust test aims to provide additional knowledge about the demanding environmental effects on PV modules in desert applications. Such tests can further strengthen your confidence in the product and promote a manufacturer’s status in the solar industry.

<b>Standard</b>	Based on: A. NATO-AECTP 300, Methode 313 B. IEC 60068-2-68 C. IEC 61215/61646/ 61730
<b>Samples</b>	2 samples each type
<b>Turn-around Time</b>	4 weeks
<b>Test Process</b>	<div style="text-align: center;"> <div style="border: 1px solid black; padding: 5px; margin-bottom: 5px;">Precondition</div> <div style="text-align: center;">↓</div> <div style="border: 1px solid black; padding: 5px; margin-bottom: 5px;">Visual Inspection</div> <div style="text-align: center;">↓</div> <div style="border: 1px solid black; padding: 5px; margin-bottom: 5px;">Initial Measurement</div> <div style="text-align: center;">↓</div> <div style="border: 1px solid black; padding: 5px; margin-bottom: 5px;">Blowing Sand Test</div> <div style="text-align: center;">↓</div> <div style="border: 1px solid black; padding: 5px; margin-bottom: 5px;">Recovery &amp; Cleaning</div> <div style="text-align: center;">↓</div> <div style="border: 1px solid black; padding: 5px; margin-bottom: 5px;">Final Measurement</div> </div>



## Choose UL. Your benefits

- Expanding Market and Application Environment
- Gaining International Recognition and Acceptance
- Increasing Competitiveness
- Improving Quality and Reliability
- Single point of contact for global market access

For more information, contact your local sales team, email [ULHELPS@ul.com](mailto:ULHELPS@ul.com) or visit [ul.com](http://ul.com)