



PID（潜在电势诱导衰减）认证

为您的光伏组件进行PID认证，证明产品高品质

PID（潜在电势诱导衰减）效应会导致组件功率衰减，性能降低，进而影响整个系统的功率输出。在实际电站运行过程中，PID现象有可能会引起非常严重的电站功率损失。因此，对于光伏电站，确保组件具有抗PID性能至关重要。目前PID问题已日益受到重视，越来越多的国外买家已纷纷将PID认证列入其采购规范。德国莱茵TÜV是光伏产品检测认证的领导者，可为光伏组件进行PID认证，证明产品性能，赢得投资者的信赖，进一步拓展海外市场。

德国莱茵TÜV，您值得信赖的合作伙伴

- 我们是全球领先的光伏产品检测认证品牌，拥有30余年的研究及实践经验
- 我们的光伏专家自主研发的认证标准及认证证书已获得国际买家的高度认可
- 所有测试项目在我们自己的实验室内完成，确保提供快速并高质量服务
- 遍布大中华区的专业团队及服务网络，可为您提供长期的技术咨询与跟踪服务

测试方法

光伏组件需要先经过一系列基本验证，包括最大功率确认，电致发光成像及接地连续性测试，随后在不同的环境中施加不同强度的电压，从而验证光伏组件的抗PID性能。

独树一帜“识”，增值优势



德国莱茵TÜV的测试标识代表了产品、服务和管理体系经过我们严格的检测、认证和检验，这些信息公开透明、可随时随地查询、全球适用。我们的标识是安全和质量的代名词，有力提升了产品及企业的竞争力。



PID Certification

Get your PV modules certified as PID resistant to demonstrate high quality

PID (potential induced degradation) reduces the performance of PV modules and affects the entire energy yield of a PV system. Such degradation can potentially cause significant power loss for the power plant. Therefore, it is essential to ensure that PV modules are PID resistant. PID has become a major concern in the PV industry, as more and more overseas buyers are listing PID resistance certification as a purchasing criterion. TÜV Rheinland, the leader in testing and certification of PV products, can help you to demonstrate the quality of your PV modules. PID certification will help you to win your buyers' trust and further expand your overseas markets.

TÜV Rheinland is your reliable partner

- We are the global leader in PV product testing and certification, with 30+ years of research and practical experience
- The standards and certification developed by our experts are widely accepted by global markets
- Tests are performed in our internal labs to provide fast and high quality services
- Our professional teams and service networks are available across Greater China to offer you long-term technical consultation and tracking services

Testing method

After basic verification including maximum power determination, electro-luminescence imaging and ground continuity tests, voltage is applied to the modules in different environments with different stress levels/severities. The modules are then checked to see how resistant they are to PID.

Always a good sign. The TÜV Rheinland test mark.



This mark stands for all the relevant customer information about products, services and systems that are tested, certified or inspected by TÜV Rheinland. This information is available online anytime, anywhere, and can be viewed in a matter of seconds at the click of a button. This means optimal transparency and top performance in terms of safety, quality and reliability – always. Global, systematic and eye-catching – communicated through a unique and multifunctional mark. The TÜV Rheinland test mark.