



---

# Maximizing Solar Cybersecurity Protections

May 2025



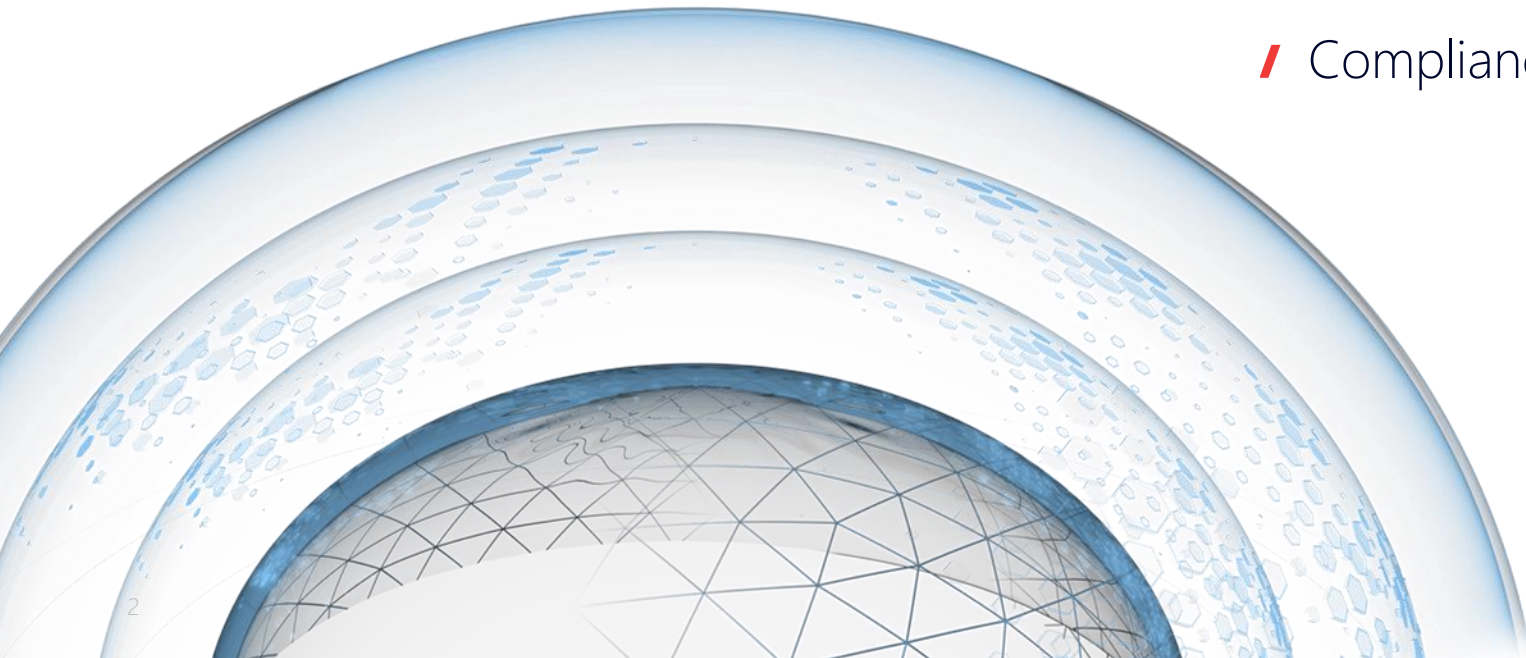
# Recent news highlights the cyber risks of unsecured PV systems

**Risk to the grid:** remotely shutting off or damaging devices, impacting the entire grid stability

- / Grid disruption
- / Grid shutdown

**Risk to the business:** cyberattacks can cause considerable material, financial and reputational damage to businesses:

- / Sensitive data leak & penalties
- / System lockdown
- / Compliance exposure



# SolarEdge's leading approach to PV cybersecurity includes:



Making cybersecurity an organizational priority

Backed by substantial investment and extensive in-house cybersecurity expertise



Helping shape industry regulatory and policy standards

We are an active participant in various global cyber forums.



Protecting data and developing products with cybersecurity in mind

Striving to keep our customers protected from ever-evolving cyberthreats is at the heart of SolarEdge product design

# A new VDE Renewables report on SolarEdge validates our cyber features

“ SolarEdge provides a clear example of how robust cybersecurity mechanisms are essential to mitigating risks associated with cyber threats.

The company's approach to cybersecurity demonstrates alignment with international best practices and validates the growing need for cybersecurity within the solar industry “

[Read the full VDE Renewables report](#) >

# SolarEdge cybersecurity multi-layered approach

[Read our full cybersecurity overview](#) >



## Visibility & Control

Maximum visibility and control for security operators

- / Real-time data feeds
- / Firewall configuration guide



## Network Safeguards

Secure integration of sub-networks with your organization's IT and OT networks

- / Restricted LAN access
- / Wi-Fi scanning protections



## Data Protection

Measures for secure data transfer and storage

- / Data centers located in Germany
- / GDPR compliant
- / ISO 9001, ISO 27001 certified



## Device Security

Protecting SolarEdge inverters

- / Secure access controls
- / Malware Protections
- / Secure Software Update

# SolarEdge complies with global cybersecurity standards

## Today



### NIS 2.0

- / EU regulation for companies' cyber posture
- / **SolarEdge certified by PwC for all member states**



### 2014/53/EU (RED)

- / EU regulation for radio connected equipment
- / **Mandatory** for all vendors from Aug 2025



### ETSI 303 645

- / Globally applicable cybersecurity standard for consumer Internet of Things **(IoT) devices**
- / No specific reference to Inverters of DERs



### UK PSTI

- / Consumer IoT Cybersecurity requirements
- / **Mandatory** for all vendors from May 2024

## Upcoming



### EU: Cyber Resilience Act

- / Strict new EU level regulation for IoT devices (and digital products)



### USA: UL 2941

- / Specific standard for **PV inverters**
- / Under development



### AUS CER standard

- / Specific standard for **PV inverters**
- / Under development





# Thank you

**solar**edge

Disclaimer: SolarEdge does not own nor claim to own the rights to any of the logos or articles shared herein. All rights belong to the respective owners. No copyright infringement intended.