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Certification body of BV CPS GmbH
Accredited according to EN 45011 -
ISO / IEC Guide 65

Certificate of compliance

Applicant: **AEI Power GmbH**
Uracher Straße 91
72555 Metzingen
Germany

Product: **Photovoltaic inverter**

Model: **840R040**
840R046

Use in accordance with regulations:

The inverters are tested for functional safety, grid protection, specified environmental influences and efficiency. For detailed information, please watch the corresponding test reports.

Applied rules and standards:

IEC 61727:2004: Characteristics of the utility interface
IEC 62116:2008: Islanding prevention measures for utility-interconnected photovoltaic inverters.
IEC 62109-1:2010: Safety of power converters for use in photovoltaic power systems
IEC 60068-2-6:1995-03 – Environmental testing - Part 2 Vibration (sinusoidal)
IEC 60068-2-21:2006 – Robustness of terminations and integral mounting devices
IEC 60068-2-27:2009 – Shock
IEC 60068-2-30:2005 – Damp heat, cyclic (12h+12h cycle)
IEC 60068-2-75: 1997: – Hammer tests (IEC 62262:2002 – IK code)
IEC 60068-2-78:2001-08 – Test cab: Damp heat, steady state
IEC 61000-6-2:2005-01 – EMC – Immunity for industrial environments
IEC 61000-6-3:2011-09 – EMC – Emission standard for residential, commercial and light industrial environments

At the time of issue of this certificate the safety concept of an aforementioned representative product corresponds to the valid safety specifications for the specified use in accordance with regulations.

Report number: **14TH0128-IEC6172/IEC62116**

Certificate number: **U14-0404**

Date of issue: **2014-10-28**

Certification body

Dieter Zitzmann



QUALITY



HEALTH



SAFETY



ENVIRONMENT



SOCIAL
ACCOUNTABILITY