

Certificate

Report No.: 21204365-1

Manufacturer:

Solar-Manufaktur Deutschland
GmbH

Gewerbegebiet Nord
17291 Prenzlau
Germany

Product:

PV Modules

Type: **aleo S02, aleo S03, aleo S12,
aleo S13, aleo S14, aleo S15,
aleo S16, aleo S17, aleo S18,
aleo S19**

Basis:

TÜV Spec TZE/2.572.09
"Safety Class II Test on
Photovoltaic (PV) Modules"

Factory Inspection
To document the consistent quality of
the product factory inspections are
performed periodically.

Remarks:

The above mentioned PV module may be used in PV plants at a total voltage (maximum system voltage) of up to **1000 VDC**. The modules consist of glass / EVA / cells / PET-PVF-PET 0.35 mm Icosolar foil, MC or Tyco junction box, MC cable/connector and aluminium frame. The module types which are listed above differ in: electrical rating and cell types (50, 60 or 72 multi or mono silicon solar cells 125 mm x 125 mm, 150 mm x 150 mm or 156 mm x 156 mm).

Conditions:

The product test is voluntarily according to technical regulations. Any change of the design, materials, components or processing may require the repetition of some of the qualification tests in order to retain type approval.

The certificate has a validity of 5 years counting from the date of issue, provided that the testing basis remains unchanged. The series production is not subject to a control and is not part of the assessment.

Renewable Energies



Dipl.-Ing. H. Becker

Cologne, 18. July 2005