



Ingenieurgesellschaft mbH

Traunsteiner Str. 1  
83301 Traunreut

Tel.: 08669/78989-0  
Fax.: 08669/78989-29  
Email: info@zahn-ig.de

project: 1305h

page:

## TRIU Statics Certificate

We hereby confirm the structural safety of the photovoltaic mounting system TRIU, based on norms and parameters as indicated underneath if the mounting system is used in accordance to the requirements of the manufacturer:

Module measurement:	1,650 x 1,000 mm
Modul weight:	20 kgs
Module inclination angle:	15° / 20° / 25° / 30° / 35°
Maximum roof pitch:	5°
Wind load calculated according to:	DIN EN 1991-1-4
Snow load calculated according to:	DIN EN 1991-1-3

For the photovoltaic mounting system TRIU the following maximum loads are permissible:

value of basic wind speed $v_{b,0}$ :	30.00 m/s
basic wind speed pressure $q_{b,0}$ :	0.56 kN/m <sup>2</sup>
wind gust pressure $q_p$ :	1.40 kN/m <sup>2</sup>
top wind speed:	47.33 m/s
snow load (based on horizontal plane):	3.10 kN/m <sup>2</sup>

The structural analysis and confirmation of structural safety of the ground (roof), of the attachment to the ground, of the mounting rails for the solar modules and its attachment, of the attachment of the solar modules and of the solar modules themselves are not scope of this certificate and have to be secured by the user. The determination of the lateral structural safety of an entire photovoltaic system is not scope of this static analysis and has to be secured by the user.

  
Ingenieurgesellschaft mbH  
Traunsteiner Straße 1  
83301 Traunreut

*Basen*