

## **SUN VALUE High-performance photovoltaic modules** for highest standards and professional use

### **SV – 290 / 295 MI-T**

#### **High module efficiency**

by using high-efficiency cells  
with excellent temperature coefficients

#### **Safety glass**

tempered glass, highly transparent  
with special surface structure for best yields

#### **Extremely strong frame**

extruded, anodized aluminium  
suitable for all existing installation systems

#### **Very long lifetime**

special high-quality lamination and films  
closed edge seal

#### **10 years product warranty**

on materials and workmanship

#### **25 years performance warranty**

12 years 90% , 25 years 80%

#### **Certification and testing**

TÜV IEC 61215  
TÜV IEC 61730  
VDE, CE, ROHS

#### **Safety class II approved**

#### **Mechanical load resistance**

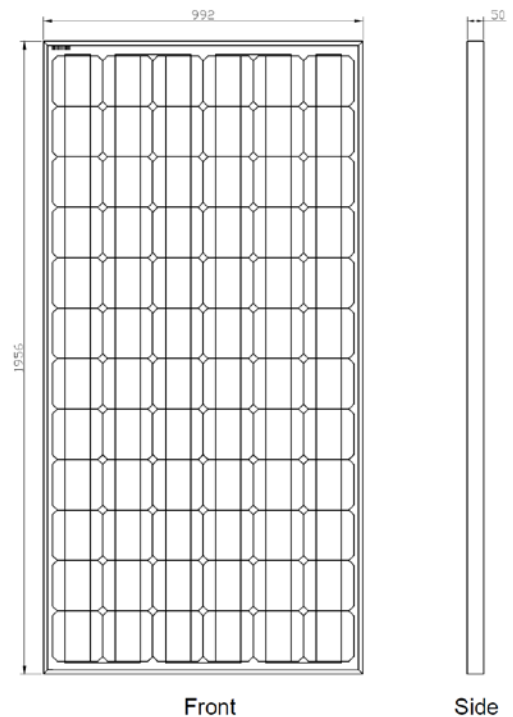
5400 PA = 540 kg/m<sup>2</sup>  
equals snow load zone III



**SUN VALUE photovoltaic modules.**  
**Production in Austria.**

### Mechanical data:

Module size	1,956 x 992 x 50 mm
Solar cells	72 monocrystalline silicon solar cells, 156 mm x 156 mm
Glass	tempered, highly-transparent solar glass with special surface structure
Connections	TÜV-certified junction box with 6 bypass diodes, safety class IP 65
Cable	TÜV-certified solar cable, 4 mm <sup>2</sup> , 900 mm length
Plugs	TÜV-certified connectors type 4
Frame	extruded, anodized aluminium, mechanical capacity up to 5.4 kN/m <sup>2</sup>
Weight	23.00 kg

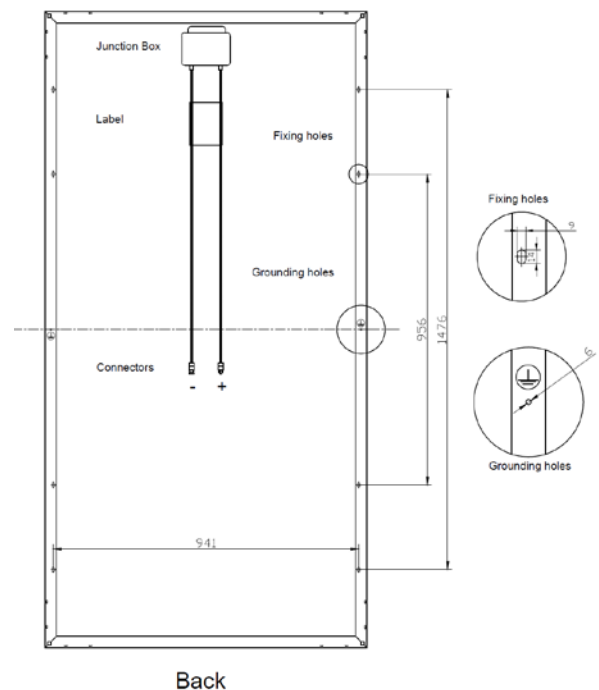


### Electrical data:

Rated power ( $P_{max}$ )	290 Wp	295 Wp
Rated voltage ( $V_{max}$ )	35.60 V	35.80 V
Rated current ( $I_{mp}$ )	8.15 A	8.24 A
Open circuit voltage ( $V_{oc}$ )	44.70 V	45.00 V
Short circuit current ( $I_{sc}$ )	8.61 A	8.68 A
Module efficiency	14.92 %	15.17 %
Max. system voltage	1000 VDC	

Power tolerance	- 0 to + 3 %
Operating module temperature	- 40 °C to + 85°C
Max. reverse current	21.5 A
Temperature coefficient $P_{max}$	- 0.44 % / °C
Temperature coefficient $I_{sc}$	0.05 % / °C
Temperature coefficient $V_{oc}$	- 0.36 % / °C
NOCT	47°C

Application class	A (IEC 61730)
Fire class	B (IEC 61730)
Safety class	II
Ammonia corrosion test	CD IEC 62716
Salt mist corrosion test	IEC 61701:2011



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