

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

SV – 230 / 235 / 240 / 245 / 250 PI-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

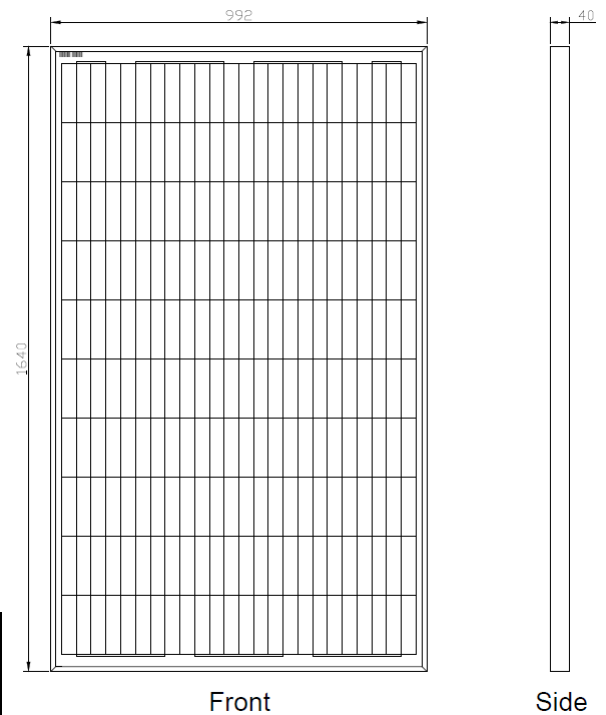
5400 PA = 540 kg/m²
equals snow load zone III



SUN VALUE photovoltaic modules.
Production in Austria.

Mechanical data:

Module size	1,640 x 992 x 40 mm
Solar cells	60 polycrystalline 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 ² , 900 mm length
Plugs	TUV-certified connectors type 4 (see draft below)
Frame	extruded, anodized aluminium, mechanical capacity up to 5.4 kN/m ²
Weight	18.60 kg

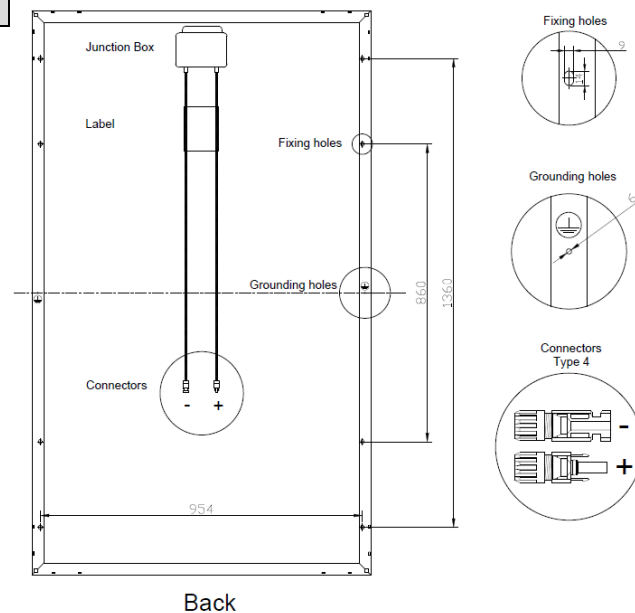


Electrical data:

Rated power (P_{max})	230 Wp	235 Wp	240 Wp	245 Wp	250 Wp
Rated voltage (V_{max})	29.50 V	29.70 V	29.80 V	30.10 V	30.30 V
Rated current (I_{mp})	7.80 A	7.92 A	8.06 A	8.14 A	8.26 A
Open circuit voltage (V_{oc})	36.60 V	36.80 V	36.90 V	37.10 V	37.20 V
Short circuit current (I_{sc})	8.39 A	8.52 A	8.62 A	8.69 A	8.80 A
Module efficiency	14.14 %	14.44 %	14.75 %	15.06 %	15.37 %
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}	- 0.43 % / °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



SUN VALUE photovoltaic modules.
Production in Austria.