



Scheuten® Solar Glass-Glass Laminate Gold Line

Multisol® Vitro

P6-54



Characteristics of Multisol® Vitro P6-54 at a glance

Multisol® Vitro is the first crystalline glass-glass product for a broad range of applications. This state-of-the-art product provides superior value:

- Outstanding sturdiness against snow and windloads
- Excellent fire resistance – no synthetic backsheet
- Sleek design – the rigidness of the laminate allows elimination of frame
- f | solar HT float glass – highly transmittive glass with crystal hard anti-reflective-coating – offering best-in-class optical performance
- Improved self-cleaning by frameless design for low-inclination applications

With these unique features **Multisol® Vitro** is truly a premium product enabling improved functional and aesthetical PV solutions: roof-applied, roof-integrated and facade-integrated. **Multisol® Vitro** is selected from a narrow flash power range resulting in higher energy yields and increased revenues from your PV system.

Multisol® Vitro is manufactured in Gelsenkirchen (Germany) on one of the most modern module production lines in the world. This guarantees the highest quality available in the market of which leading warranty conditions are the result.

- **Highest sturdiness and reliability**
- **Improved energy yield by f | solarfloat HT glass (quartz hard AR coating)**
- **Enhanced fire resistance by glass back sheet**
- **Best-in-class mechanical load: up to 5400 Pa**
- **Power tolerance +0 / +10 Wp, power range 210 – 220 Wp in 5 Wp steps**
- **IP67 rated Junction Box**
- **Made in Germany**
- **Best-in-class power output warranty of 30 years with linear decline**
- **12 year product warranty**



Typical Data at Standard Test Conditions (STC)

Module Type Vitro P6-54 Gold Line			210	215	220*
Nominal Peak Power	P _{mpp}	[Wp]	210	215	220
Power Tolerance +0 / +10 Wp					
Power density		[Wp/m ²]	143	146	150
Peak Power Voltage	V _{mpp}	[V]	27,3	27,4	27,6
Peak Power Current	I _{mpp}	[A]	7,70	7,85	7,97
Open Circuit Voltage	V _{oc}	[V]	33,3	33,5	33,6
Short Circuit Current	I _{sc}	[A]	8,17	8,30	8,44
Module efficiency reduction @ 200 W/m ² -0,8% Abs.					

STC: Standard Test Conditions; 1000 W/m², 25°C, AM 1,5

*limited available

Typical Data at Normal Operating Cell Temperature conditions (NOCT)

T _{NOCT} 45°C					
Peak Power	P _{mpp}	[Wp]	152	156	159
Peak Power Voltage	V _{mpp}	[V]	24,9	25,0	25,1
Peak Power Current	I _{mpp}	[A]	6,13	6,24	6,34
Open Circuit Voltage	V _{oc}	[V]	31,0	31,2	31,3
Short Circuit Current	I _{sc}	[A]	6,62	6,73	6,84

NOCT: Irradiance level 800 W/m², spectrum AM 1,5, wind velocity 1 m/s and ambient temperature 20°C

Thermal Characteristics

Temperature Coefficient I _{sc}	TK I _{sc}	0,07	[%/K]
Temperature Coefficient V _{oc}	TK V _{oc}	-0,34	[%/K]
Temperature Coefficient P _{mpp}	TK P _{mpp}	-0,48	[%/K]

Measurement tolerances P_{mpp} @ STC ± 5% all other electrical parameters ± 10%

Tested Operating Conditions

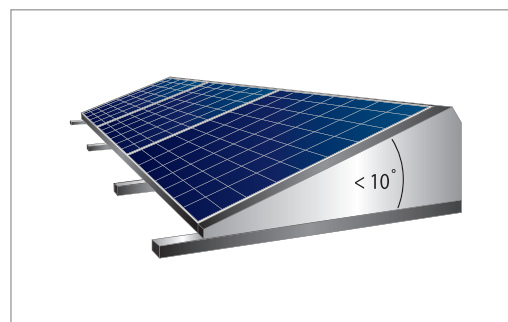
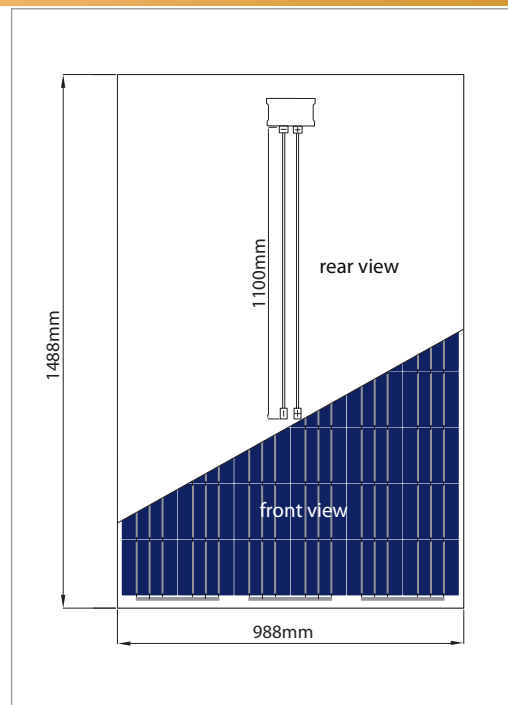
Temperature	-40°C to 85°C
Max Load	Up to 5400 Pascal front and 2400 Pascal back depending on the mounting method

Mechanical and System Design Data

Dimensions H x W x D	1488 x 988 x 7mm (including junction box 35mm)
Weight	23 kg
Maximum system voltage	1000 V
Limiting reverse current I _R	15 A
Cells	54 x 6" poly crystalline
Frame	Frameless
Glass	Front 2,8 mm highly transparent low-iron tempered safety glass. Rear 2,8 mm heat strengthened safety glass
Junction Box	Universal Junction Box by Yamaichi, rated IP67 and 3 bypass diodes
Cabling	2 x 4 mm ² cabling with MC-4 interchangeable connectors

Warranty and Certifications

Warranty	30 year power warranty, 12 year product warranty. For details see our Warranty conditions
Certificates	IEC 61215 ed.2, IEC 61730



Improved self-cleaning particularly for low-inclination applications below 10°

Scheuten Solar partner:
Company imprint

This datasheet is not legally binding. Actual specifications and/or product features may deviate.
Caution: Read Safety and Installation Instructions before using the Product. Visit our website for more details.