



Scheuten® Solar Module Gold Line

Multisol® Integra

P6-54



Characteristics of Multisol® Integra P6-54 at a glance

- Easy to install, proven Solrif™ frame system
- Available in black coated frame
- Improved energy yield by f | solarfloat HT glass (quartz hard AR coating)
- Power tolerance +0/+10 Wp, power range 200Wp – 215Wp in 5Wp steps
- High mechanical load: 3600 Pa
- Made in Germany
- Best-in-class power output warranty of 25 years with linear decline
- 10 year product warranty
- Over 60 years experience in Glass and Solar

Multisol® Integra Gold is suited for almost any sloped roof. This PV in-roof installation system replaces the conventional tile covering, either part of the roof or the entire roof. It forms a functionally and aesthetically pleasing PV roof integration solution. The guaranteed power output and the high reliability of the components make the Multisol® Integra PV module extremely cost-effective, and a solid investment for the future.

Multisol® P6-54L Gold laminate is a new product in the Scheuten Solar range.

- Improved energy yield thanks to f | solarfloat HT glass (quartz hard AR coating)
- High power by integrating high quality 3-bb cells

The performance of the Gold Line matches best-in-class in the industry. Multisol® P6-54L Gold laminate is selected from a narrow flash power range resulting in higher energy yields and increased revenues from your PV system.

Multisol® Integra is based on the Solrif system by Ernst Schweizer AG consisting of efficient aluminum construction designed for simple and fast installation. Since the market launch in 1999, the system has been used extensively in a variety of installations (dozens of MWp). The success is based on high quality Swiss craftsmanship together with numerous years of experience and flexibility to fit almost every roof situation.

For the completion of the Integra system additional components are necessary which are described in the installation manual



Typical Data at Standard Test Conditions (STC)

Module Type Integra P6-54 Gold Line			200	205	210	215
Nominal Peak Power	P _{mpp}	[Wp]	200	205	210	215
Power Tolerance +0 / +10 Wp						
Power density		[Wp/m ²]	133	137	140	143
Peak Power Voltage	V _{mpp}	[V]	27,0	27,1	27,3	27,4
Peak Power Current	I _{mpp}	[A]	7,42	7,57	7,70	7,85
Open Circuit Voltage	V _{oc}	[V]	33,1	33,2	33,3	33,5
Short Circuit Current	I _{sc}	[A]	7,89	8,03	8,17	8,30
Module efficiency reduction @ 200 W/m ² -0,8% Abs.						

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

Typical Data at Normal Operating Cell Temperature conditions (NOCT)

T _{NOCT} 44°C						
Peak Power	P _{mpp}	[Wp]	146	149	153	156
Peak Power Voltage	V _{mpp}	[V]	24,8	24,8	25,0	25,1
Peak Power Current	I _{mpp}	[A]	5,90	6,02	6,12	6,24
Open Circuit Voltage	V _{oc}	[V]	30,9	31,0	31,1	31,3
Short Circuit Current	I _{sc}	[A]	6,39	6,51	6,62	6,73

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

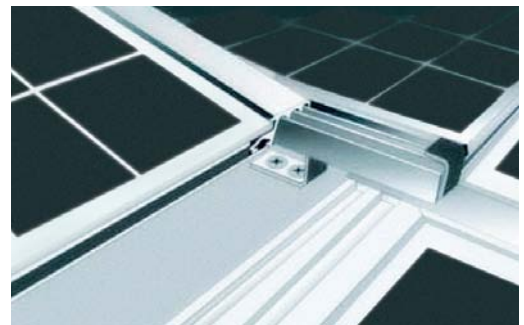
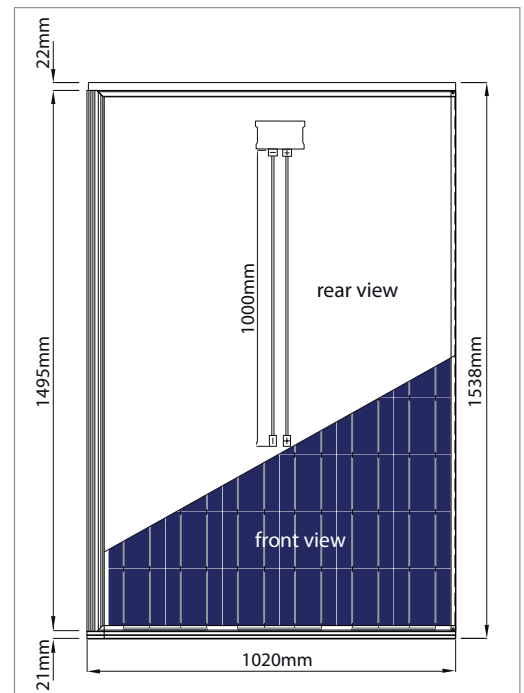
Temperature	-40°C to 85°C
Max Load	3600 Pascal front and 2400 Pascal back

Mechanical and System Design Data

Dimensions H x W x D	1538 x 1020 x 37 mm
Weight	18 kg
Maximum system voltage	1000 V
Limiting reverse current I _R	15 A
Cells	54 x 6" poly crystalline
Frame	Available with black coated frame
Glass	4 mm highly transparent low-iron tempered safety glass
Junction Box	ProConnect® IP65 Junction Box with patented connection system and 3 bypass diodes
Cabling	2 x 4 mm ² cabling with MC-4 interchangeable connectors

Warranty and Certifications

Warranty	25 year power warranty, 10 year product warranty. For details see our Warranty conditions
Certificates	IEC 61215 ed.2, IEC 61730 Application Class A



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Company imprint