

Ecological Land Co-operative

**DETAILS OF THE PROPOSED
PHOTOVOLTAIC PANELS**

Field to the south of Copyhold Cottages,
formerly part of Wilbees Farm,
Arlington, Hailsham, BN26 6RU

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For a Living, Working Countryside

This document has been written by the Ecological Land Co-operative. It is written to be read in conjunction with the planning application, plans and other documents accompanying the application, a full list of which can be found within the Cover Letter.

Scheuten® Solar Module

Multisol® Gold Line

P6-54



Characteristics of Multisol® P6-54 Gold Line at a glance

- Power range 210 – 220 Wp in 5 Wp steps
- Power tolerance +0 / +10 Wp
- Very rigid ProFix® black aluminium frame with hollow chamber
- IP67 rated Junction Box
- Environmentally friendly production according to ISO 14001
- Made in Germany
- Best-in-class power output warranty of 25 years with linear decline
- 10 year product warranty

Multisol® P6-54 Gold is a new extension of the Multisol® range of high quality German made modules, designed and produced for a wide range of applications. Its aesthetics, high performance and high energy yield make it extremely suited for the residential segment. Based on over 20 years of experience Multisol® modules are characterized by their long service life, above average yield and excellent workmanship. The quality, output and reliability of Multisol® modules make them a solid investment for the future.

Multisol® P6-54 Gold is a new product in the Scheuten Solar range:

- Aesthetic design by using a black frame in combination with a black foil
- 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. The module is equipped with our sturdy ProFix® black aluminium frame for easy mounting.

Multisol® P6-54 Gold 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.



Typical Data at Standard Test Conditions (STC)

Module Type 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]	140	143	147
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} 44°C					
Peak Power	P _{mpp}	[Wp]	153	156	159
Peak Power Voltage	V _{mpp}	[V]	25,0	25,1	25,3
Peak Power Current	I _{mpp}	[A]	6,12	6,24	6,34
Open Circuit Voltage	V _{oc}	[V]	31,1	31,3	31,4
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

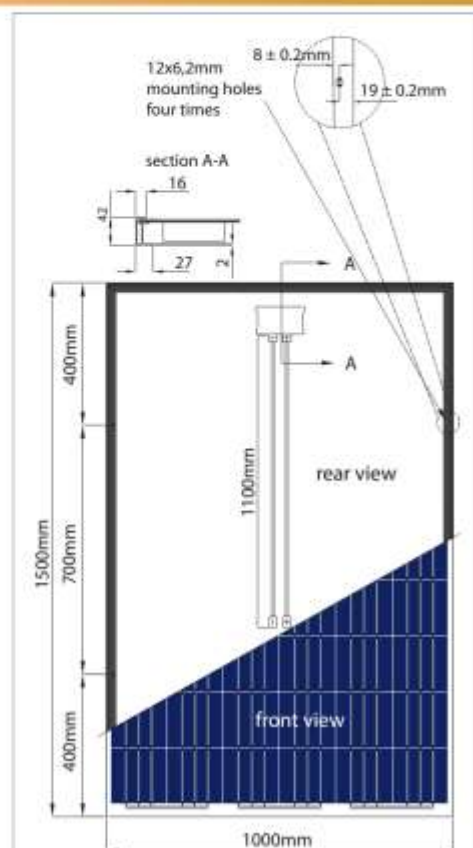
Temperature	-40°C to 85°C
Max Load	5400 Pascal front and 2400 Pascal back

Mechanical and System Design Data

Dimensions H x W x D	1500 x 1000 x 42 mm
Weight	20 kg
Maximum system voltage	1000 V
Limiting reverse current I _r	15 A
Cells	54 x 6" poly crystalline
Frame	ProFix® black aluminium frame with hollow chamber
Glass	4 mm f solarfloat HT - highly transparent low-iron tempered safety glass AR coating
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	25 year linear power warranty, 10 year product warranty For details see our Warranty conditions
Certificates	IEC 61215 ed.2, IEC 61730 Application Class A



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.