solar | glass Scheuten

Scheuten® Solar Module

Multisol® P6-54 Series

Multisol® P6-54 is a complete range of high quality, German made solar modules, produced for a wide range of applications. Based on over twenty years of experience these modules are characterized by their long service life, above average yield and excellent workmanship. The quality and reliability of Multisol® modules make them extremely cost-effective and represent a solid investment for the future.

Multisol® P6-54 is selected from a very narrow flash power range resulting in more accurate power, less mismatch losses and as a result higher energy yields and increased revenues from your PV system. The module is equipped with our sturdy ProFix® silver or black anodized aluminum frame for easy mounting and our ProConnect IP65 Junction box with its patented connection system.

Multisol® P6-54 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.

Characteristics of Multisol® P6-54 at a glance

- **Power range 190 – 215 Wp in 5 Wp steps**
- **Power tolerance + 0 / + 10 Wp**
- **Made in Germany**
- **25 year power output warranty, 10 year product warranty**
- **ProConnect® IP65 Junction box with patented connection system**
- **Very rigid ProFix® silver or black anodized aluminium frame with hollow chamber able to withstand 5400 Pa**
- **Quality management ISO 9001**
- **Environmentally friendly production according to ISO 14001**
- **Scheuten Solar is a member of PV Cycle**

For product and purchase inquiries contact:

ecoDIRECT
CLEAN ENERGY SOLUTIONS
www.ecodirect.com

TÜV PV CYCLE CE

Typical Data at Standard Test Conditions (STC)

Module Type P6-54			**190**	**195**	**200**	**205**	**210**	**215**
Nominal Peak Power	Pmpp	[Wp]	190	195	200	205	210	215
Power Tolerance + 0 / + 10 Wp								
Power density		[Wp/m²]	127	130	133	137	140	143
Peak Power Voltage	Vmpp	[V]	25,5	25,7	25,9	26,1	26,4	26,5
Peak Power Current	Impp	[A]	7,43	7,57	7,71	7,85	7,95	8,11
Open Circuit Voltage	Voc	[V]	32,6	32,8	33,0	33,1	33,2	33,4
Short Circuit Current	Isc	[A]	7,98	8,10	8,22	8,33	8,42	8,54
Module efficiency reduction @ 200 W/m² -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	Pmpp	[Wp]	138	142	146	149	153	156
Peak Power Voltage	Vmpp	[V]	23,4	23,6	23,7	23,9	24,2	24,3
Peak Power Current	Impp	[A]	5,90	6,02	6,13	6,24	6,32	6,44
Open Circuit Voltage	Voc	[V]	30,5	30,7	30,8	30,9	31,0	31,2
Short Circuit Current	Isc	[A]	6,47	6,56	6,66	6,75	6,82	6,92

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

Thermal Characteristics

Temperature Coefficient Isc	TK Isc	0,07	[%/K]
Temperature Coefficient Voc	TK Voc	-0,34	[%/K]
Temperature Coefficient Pmpp	TK Pmpp	-0,48	[%/K]

Measurement tolerances Pmpp @ STC ± 5% all other electrical parameters ± 10%

Tested Operating Conditions

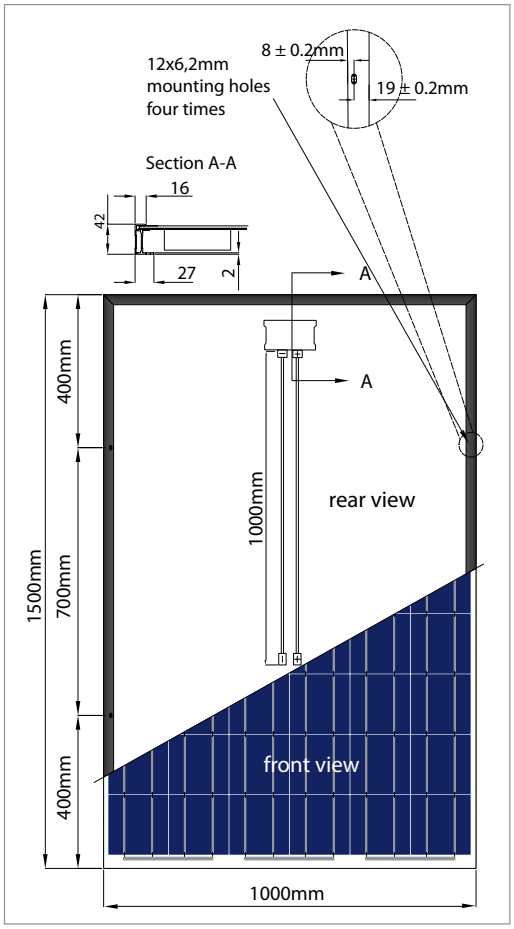
Temperature	-40°C to 85°C
Max Load	5400 Pascal front and 2400 Pascal back

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® silver or black anodized aluminium frame with hollow chamber
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 mm² cabling with NBZH PV-ZH202 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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