solar | glass Scheuten

Scheuten® Solar Laminate

Multisol® P6-54L 3K

Multisol® P6-54L 3K is a high quality, BIPV Laminate, specifically designed for 3 kilowatt roof applications. Based on over twenty years of experience these laminates are characterized by their long service life, above average yield and excellent workmanship. The quality and reliability of Multisol® laminates make them extremely cost-effective and represent a solid investment for the future.

Multisol®P6-54L 3K is selected with a narrow 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 laminates are equipped with our ProConnect IP65 Junction box with its patented connection system.

Multisol® P6-54L 3K 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 allowing us to provide this product with market leading warranty terms.

Characteristics of Multisol® P6-54L 3K at a glance

- **Power output 200 Wp**
- **Power tolerance -5 / +5 Wp**
- **Made in Germany**
- **25 year power output warranty, 10 year product warranty**
- **ProConnect® IP65 Junction box with patented connection system**
- **Quality management ISO 9001**
- **Environmentally friendly production according to ISO 14001**
- **Scheuten Solar is a member of PV Cycle**

TÜV PV CYCLE CE

solar | glass Scheuten

Typical Data at Standard Test Conditions (STC)

Module Type P6-54L 3K			**200**
Nominal Peak Power	Pmpp	[Wp]	200
Power Tolerance - 5 / + 5 Wp			
Power density		[Wp/m²]	136
Peak Power Voltage	Vmpp	[V]	25,9
Peak Power Current	Impp	[A]	7,71
Open Circuit Voltage	Voc	[V]	33,0
Short Circuit Current	Isc	[A]	8,22
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]	146
Peak Power Voltage	Vmpp	[V]	23,7
Peak Power Current	Impp	[A]	6,13
Open Circuit Voltage	Voc	[V]	30,8
Short Circuit Current	Isc	[A]	6,66

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

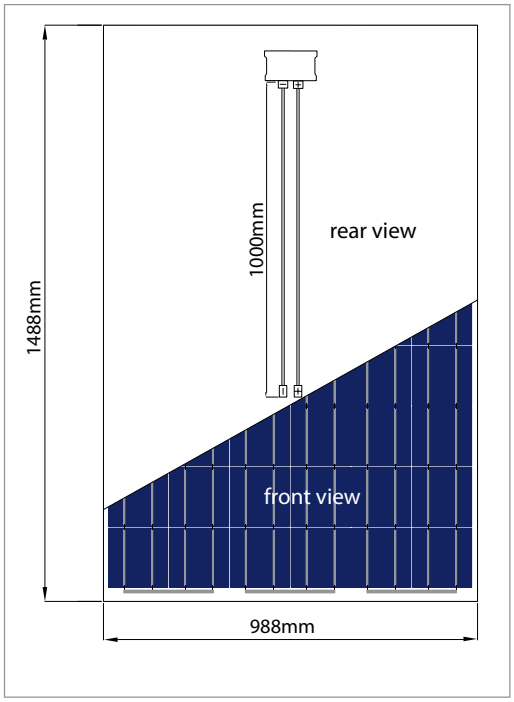
Temperature	-40°C to 85°C
Max Load	Depending on the mounting method

Mechanical and System Design Data

Dimensions H x W x D	1488 x 988 x 37 mm
Weight	16 kg
Maximum system voltage	1000 V
Limiting reverse current I_R	15 A
Cells	54 x 6" poly crystalline
Frame	Frameless
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 * Additional Load test for the mounting structure required



05-2010-1

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.