



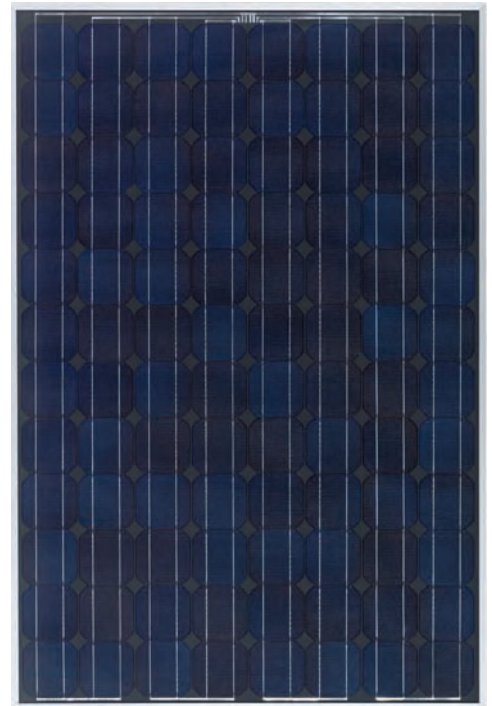
## Scheuten® solar module Multisol® M5-96 Series



**Multisol® M5-96** 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.

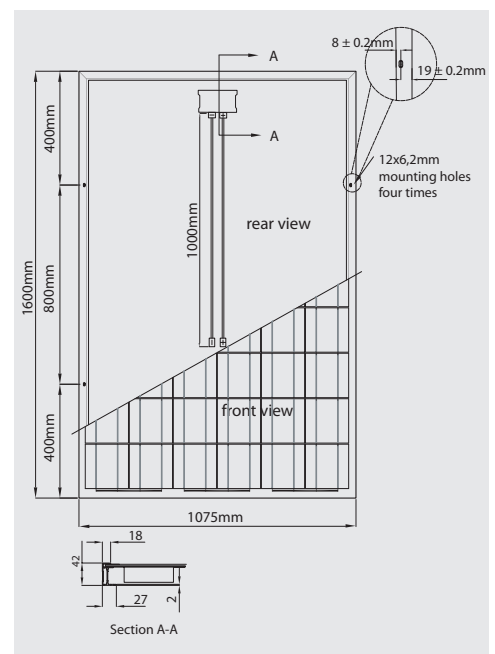
**Multisol® M5-96** is selected from a very narrow flash power range resulting in more accurate power, less mismatch losses and as a result higher energy yields and increased revenues from your PV system. The module is equipped with our sturdy ProFix® anodized aluminum frame for easy mounting and our ProConnect IP65 Junction box with its patented connection system.

**Multisol® M5-96** 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.



### Characteristics of Multisol® M5-96 at a glance

- Power range 220 increasing to 240 in 5 Wp steps
- Power tolerance +5 Wp/-2,5 Wp
- Made in Germany
- 25 year power output warranty, 5 year product warranty
- ProConnect® IP65 Junction box with patented connection system
- Very rigid ProFix® silver anodised aluminium frame with hollow chamber
- Quality management ISO 9001
- Environmentally friendly production according to ISO 14001
- Scheuten is a member of PV Cycle



### Typical Data at Standard Test Conditions (STC)

Module Type M5-96			220	225	230	235	240
Nominal Peak Power	P <sub>mpp</sub>	[Wp]	220	225	230	235	240
Power Tolerance +5/-2,5 Wp							
Power density		[Wp/m <sup>2</sup> ]	128	131	134	137	140
Peak Power Voltage	V <sub>mpp</sub>	[V]	46,4	46,6	46,9	47,2	47,5
Peak Power Current	I <sub>mpp</sub>	[A]	4,74	4,82	4,90	4,97	5,05
Open Circuit Voltage	V <sub>oc</sub>	[V]	58,0	58,2	58,4	58,7	59,0
Short Circuit Current	I <sub>sc</sub>	[A]	5,13	5,19	5,24	5,30	5,36
Module efficiency reduction @ 200 W/m <sup>2</sup> -0,8% Abs.							

STC: Standard Test Conditions; 1000 W/m<sup>2</sup>, 25°C, AM 1,5

### Typical Data at Normal Operating Cell Temperature conditions (NOCT)

TNOCT 44°C							
Peak Power	P <sub>mpp</sub>	[Wp]	160	164	167	171	175
Peak Power Voltage	V <sub>mpp</sub>	[V]	42,5	42,7	43,0	43,3	43,5
Peak Power Current	I <sub>mpp</sub>	[A]	3,77	3,83	3,89	3,95	4,01
Open Circuit Voltage	V <sub>oc</sub>	[V]	54,2	54,4	54,6	54,9	55,2
Short Circuit Current	I <sub>sc</sub>	[A]	4,16	4,21	4,25	4,29	4,34

NOCT: Irradiance level 800 W/m<sup>2</sup>, spectrum AM 1,5, wind velocity 1 m/s and ambient temperature 20°C

### Thermal Characteristics

Temperature Coefficient I <sub>sc</sub>	TK I <sub>sc</sub>	0,05	[%/K]
Temperature Coefficient V <sub>oc</sub>	TK V <sub>oc</sub>	-0,33	[%/K]
Temperature Coefficient P <sub>mpp</sub>	TK P <sub>mpp</sub>	-0,47	[%/K]

Measurement tolerances P<sub>mpp</sub> @ STC ± 5% all other electrical parameters ± 10%

### Tested Operating Conditions

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

### Mechanical and System Design Data

Dimensions H x W x D	1600 x 1075 x 42 mm
Weight	22 kg
Maximum system voltage	1000 V
Limiting reverse current I <sub>R</sub>	10 A
Cells	96 x 5" mono crystalline
Frame	ProFix® Silver anodised 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
Cabling	2 x 4 mm <sup>2</sup> cabling with Multi Contact MC 4 Connectors

### Warranty and Certifications

Warranty	25 year power warranty, 5 year product warranty. For details see our Warranty Conditions
Certificates	IEC 61215



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