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Joannes by Scheuten

Scheuten® Solar Industrial Line

P6-60 i*30*

Characteristics of P6-60 i*30* at a glance

- **Power range 225 Wp – 240 Wp**
- **Power tolerance + / - 3%**
- **25 year power output warranty**
- **5 year product warranty**
- **Very rigid silver anodized aluminium frame**
- **3,2 mm high transparent low-iron tempered safety glass**
- **Quality management ISO 9001**
- **Scheuten Solar is a member of PV Cycle**

The Industrial Line P6-60 i*30* is designed for the application range of yield optimised roof and field systems. It combines application specific and robust mechanical properties with high energy yields. It splendidly meets all requirements of a utilization oriented at economic lifespan and beyond.

The Industrial Line P6-60 i*30* is optimized for a wide variety of mounting solutions in the market sector of medium sized to large systems. Its size and weight enable an efficient and cost effective mounting process.

The Industrial Line P6-60 i*30* seamlessly fits into the range of high-quality products with its narrow, positive tolerance limits. It is produced in the most modern production facilities to international quality standards.

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Typical Data at Standard Test Conditions (STC)

Module Type P6-60 i*30*			**225**	**230**	**235**	**240**
Nominal Peak Power	Pmpp	[Wp]	225	230	235	240
Power Tolerance + / - 3%						
Power density		[Wp/m²]	138	141	144	147
Peak Power Voltage	Vmpp	[V]	29,1	29,3	29,5	29,7
Peak Power Current	Impp	[A]	7,74	7,85	7,97	8,09
Open Circuit Voltage	Voc	[V]	37,0	37,2	37,3	37,5
Short Circuit Current	Isc	[A]	8,23	8,31	8,40	8,48
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} 47°C						
Peak Power	Pmpp	[Wp]	164	167	171	175
Peak Power Voltage	Vmpp	[V]	26,7	26,8	27,0	27,2
Peak Power Current	Impp	[A]	6,17	6,26	6,35	6,45
Open Circuit Voltage	Voc	[V]	34,6	34,8	34,9	35,0
Short Circuit Current	Isc	[A]	6,69	6,75	6,83	6,89

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	0,04	[%/K]
Temperature Coefficient Voc	TK Voc	-0,30	[%/K]
Temperature Coefficient Pmpp	TK Pmpp	-0,42	[%/K]

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

Tested Operating Conditions

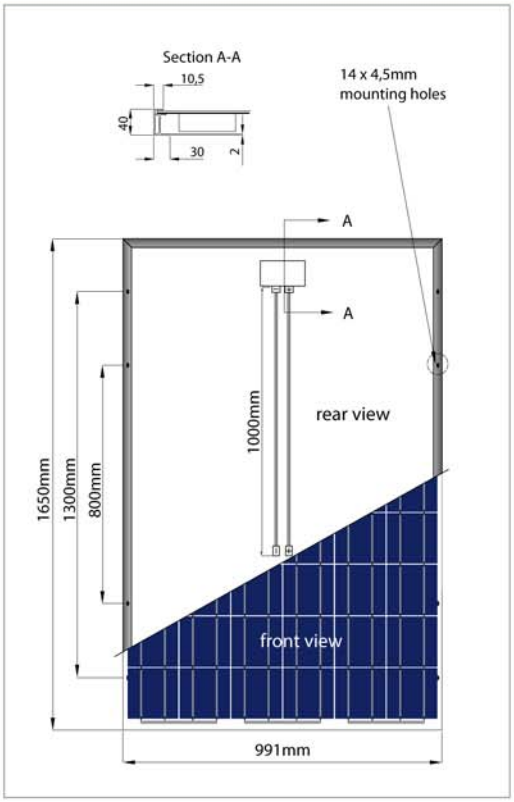
Temperature	-40°C to 85°C
Max Load	5400 Pascal front and 2400 Pascal back

Mechanical and System Design Data

Dimensions H x W x D	1650 x 991 x 40 mm
Weight	19,5 kg
Maximum system voltage	1000 V
Limiting reverse current I_R	13 A
Cells	60 x 6" poly crystalline in 3 strings in series each containing bypass diodes
Frame	Silver anodised aluminium frame
Glass	3,2 mm highly transparent low-iron tempered safety glass
Junction Box and Cabling	NBZH-PV009 Junction Box with 2x4 mm2 cabling NBZH PV-ZH connectors

Warranty and Certifications

Warranty	Power warranty 12 year > 90%, 25 year > 80%; 5 year product warranty
Certificates	IEC 61215 ed.2, IEC 61730 Application Class A



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