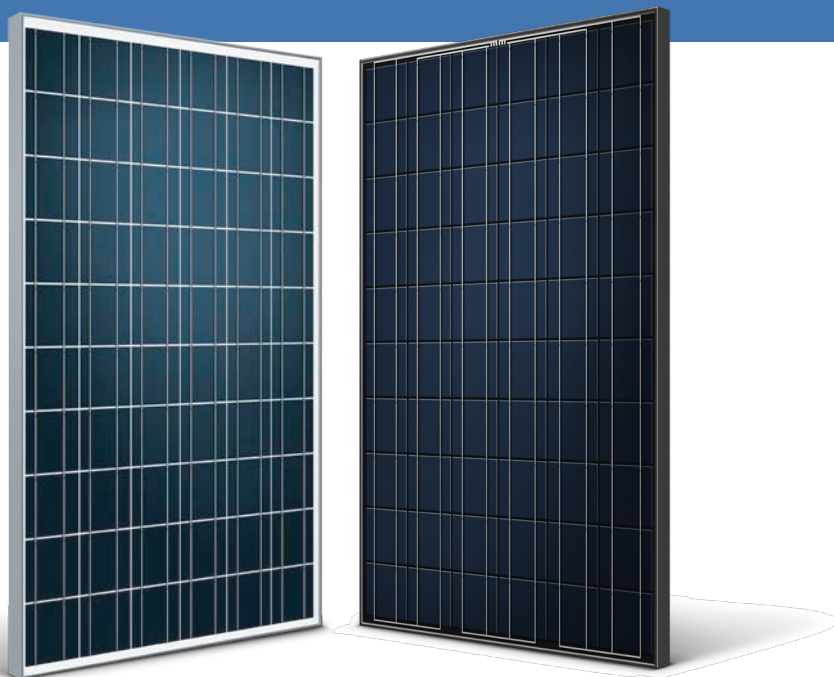
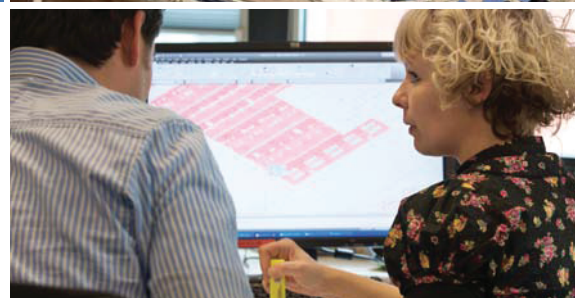




Scheuten® Solar Module

Industrial Line i40

P6-60



The Industrial Line P6-60 i40 is designed for the application range of yield optimised roof and field systems. It combines application specific mechanical properties with high energy yields. It meets all requirements of a utilization oriented at economic lifespan and beyond.

The Industrial Line P6-60 i40 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 i40 seamlessly fits into the range of high-quality products with its narrow tolerance limits. It is produced in the most modern production facilities to international quality standards.

Characteristics of P6-60 i40 at a glance

- Power range 235 Wp – 250 Wp
- Positive Power tolerance +0/+5 Wp
- 25 year power output warranty
- 10 year product warranty
- Very rigid silver or black 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



Typical Data at Standard Test Conditions (STC)

Module Type P6-60 i40			235	240	245	250*
Nominal Peak Power	P _{mpp}	[Wp]	235	240	245	250
Power Tolerance +0/+5 Wp						
Power density		[Wp/m ²]	144	148	151	154
Peak Power Voltage	V _{mpp}	[V]	29,8	29,9	30,1	30,3
Peak Power Current	I _{mpp}	[A]	7,89	8,03	8,13	8,25
Open Circuit Voltage	V _{oc}	[V]	37,0	37,0	37,1	37,5
Short Circuit Current	I _{sc}	[A]	8,40	8,58	8,69	8,75
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} 47°C						
Peak Power	P _{mpp}	[Wp]	169	173	176	180
Peak Power Voltage	V _{mpp}	[V]	28,7	28,8	29,0	29,2
Peak Power Current	I _{mpp}	[A]	5,89	6,00	6,08	6,17
Open Circuit Voltage	V _{oc}	[V]	34,3	34,3	34,3	34,4
Short Circuit Current	I _{sc}	[A]	6,26	6,41	6,45	6,55

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}	0,05	[%/K]
Temperature Coefficient V _{oc}	TK V _{oc}	-0,34	[%/K]
Temperature Coefficient P _{mpp}	TK p _{mp}	-0,46	[%/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	1640 x 992 x 45 mm
Weight	20 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 or black anodised aluminium frame
Glass	3,2 mm highly transparent low-iron tempered safety glass
Junction box	IP-65 rated
Cabling	2 x 4 mm ² cabling with MC - 4 interchangeable connectors

Warranty and Certifications

Warranty	Power warranty 12 year > 90%, 25 year > 80%; 10 year product warranty
Certificates	IEC 61215, IEC 61730 Application Class A

