



PEAK ON P130-36

glass/backsheet solar module

Highly efficient poly crystalline solar cells
156 X 156mm with 2 bus bars configuration

Certified materials- junction box, EVA foil,
backsheet foil

Specially tempered high transparency
solar glass

State-of-the-art production equipment

Highly automated production line

Positive power rating -0/+5W

High strength with wind and snow
loads guaranteed up to 5400 Pa



STC *

typ. Nominal Power P_N (Wp)	120	125	130	135	140
typ. Nominal Voltage U_N (V)	16.83	17.15	17.63	17.45	17.95
typ. Nominal Current I_N (A)	7.28	7.44	7.52	7.88	7.94
typ. Open Circuit U_{oc} (V)	21.60	21.78	21.89	22.01	22.51
typ. Short Circuit I_{sc} (A)	7.73	7.98	8.20	8.42	8.52
typ. Module efficiency	12.2%	12.7%	13.2%	13.7%	14.2%
Classification of P_N **	0..+5W (precision of measurement : $\pm 3\%$)				
* STC : Standard Test Conditions , measurement conditions : Radiation strength 1000 W/m ² , spectral distribution AM 1.5 , temperature 25 \pm 2°C , in accordance with EN 60904-3					
** The given electrical data are nominal values which account for basic measurements and manufacturing tolerances of $\pm 3\%$, with the exception of P_N . The classification is performed according to P_N .					



NOCT ***

NOCT	47 \pm 2 °C				
typ. Nominal Power P_N (Wp)	89.0	92.7	96.2	99.9	103.5
typ. Nominal Voltage U_N (V)	15.07	15.36	15.79	15.64	16.09
typ. Nominal Current I_N (A)	5.90	6.03	6.10	6.38	6.43
typ. Open Circuit U_{oc} (V)	19.94	20.12	20.23	20.35	20.85
typ. Short Circuit I_{sc} (A)	6.26	6.46	6.64	6.82	6.90
Module efficiency reduction at 200 W/m ² ****	-0.68%	-0.70%	-0.72%	-0.73%	-0.75%
*** NOCT : Normal Operation Cell Temperature , Measuring conditions : irradiance 800 W/m ² , AM 1.5, Air temperature 20 °C , wind speed 1m/s					
**** Reduction of module efficiency to decrease the irradiance of 1000 W/m ² , on 200 W/m ² , temperature 25 °C , in accordance with EN 60904-1					



Temperature

typ. Temperature Coefficient of P_N	-0.42 %/K
typ. Temperature Coefficient of U_{oc}	-0.34 %/K
typ. Temperature Coefficient of U_{mp}	-0.074 V/K
typ. Temperature Coefficient of I_{sc}	0.054 %/K



Conditions

Max. System Voltage	1000V
Operating Temperature	-40 ... +85 °C
Ambient Temperature Range	-40 ... +45 °C
Reverse Current Rating I_r *****	15A
***** Reverse Current Rating I_r : Operation of more than 3 strings in parallel is only permitted by using a string fuse with a max. release current of I_r	



Characteristic

Module Technology	Glass-foil-laminate with aluminium frame
Module Design	High transparency solar glass (tempered) , 3.2 mm Embedding : EVA Backside Foil : black or white
No. and Type of Solar Cells	36 poly crystalline solar cells , 156 mm x 156 mm
Cables and Connections	Tyco plug connector , cables 1 x 4 mm ² , Length : each 1.0 m
Junction Box	IP65 , with 2 bypass diodes

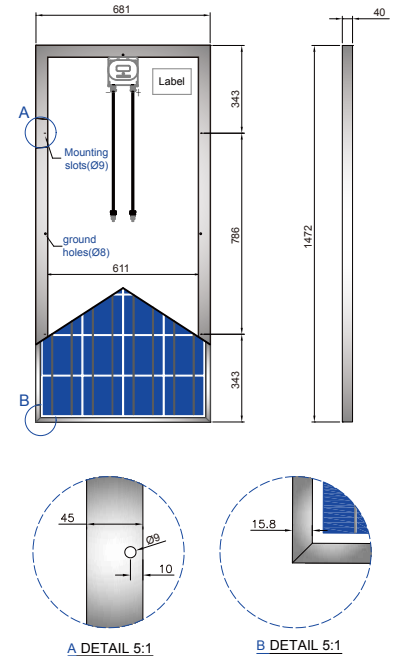
Dimensions (L x W x H)	1472 x 681 x 40 [in mm]
Weight	ca. 14 kg



Certificates/Qualifications

Certificates / Qualifications	IEC 61215 Ed.2 / IEC 61730
Warranty	5 years physical warranty with 10 years 90% power output warranty, 25 years with 80% power output warranty

Drawing



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