

## GÜNEŞ ENERJİ PANELLERİ PV MODULES MONOCRYSTALLINE

**25**  
YIL %80 VERİM  
GARANTİSİ  
80% PERFORMANCE  
GUARANTEE FOR  
25 YEARS

**10**  
YIL %90 VERİM  
GARANTİSİ  
90% PERFORMANCE  
GUARANTEE FOR  
10 YEARS

**10**  
YIL MALZEME VE  
İŞÇİLİK GARANTİSİ  
MATERIAL &  
WORKMANSHIP  
GUARANTEE FOR  
10 YEARS

**275 W**  
EN YÜKSEK  
GÜÇ ÇIKIŞI  
275 W MAX.  
POWER OUTPUT



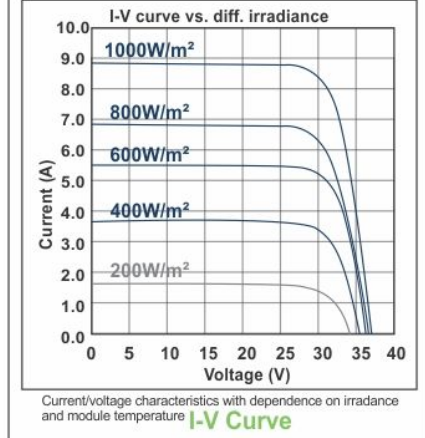
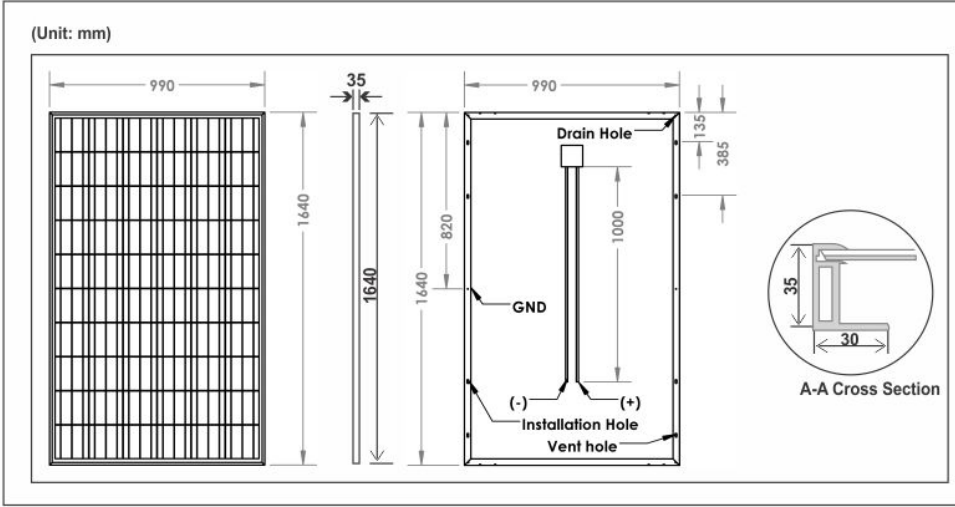
Turkey

Discover  
the potential



International  
Organization for  
Standardization





## Electrical Data at STC

- Below data are effective as the measurement at Standard Test Conditions (STC)
- STC : Radiation strength 1000 W/m<sup>2</sup>, spectral distribution AM 1.5, temperature 25± 2°C, in accordance with EN 60904-3

Typ. Nominal Power P <sub>N</sub>	G-255 Wp	G-260 Wp	G-265 Wp	G-270 Wp	G-275 Wp
Typ. Nominal Voltage V <sub>mp</sub> (V)	29.94	30.25	30.55	30.85	31.02
Typ. Nominal Current I <sub>mp</sub> (A)	8.52	8.60	8.68	8.76	8.87
Typ. Open Circuit Voltage V <sub>OC</sub> (V)	37.29	37.60	37.91	38.22	38.33
Typ. Short Circuit Current I <sub>SC</sub> (A)	9.12	9.19	9.26	9.33	9.35
Module Efficiency	%15.71	%16.01	%16.32	%16.63	%16.94

## Electrical Data at NOCT

- The given electrical data are nominal values which account for basic measurements and manufacturing tolerances of 10%, with the exception of P<sub>N</sub>. The classifications is performed according to P<sub>n</sub>.

Typ. Nominal Power P <sub>N</sub>	189 Wp	193 Wp	196 Wp	200 Wp	204 Wp
Typ. Nominal Voltage V <sub>mp</sub> (V)	28.07	28.36	28.65	28.93	29.09
Typ. Nominal Current I <sub>mp</sub> (A)	6.73	6.80	6.86	6.92	7.01
Typ. Open Circuit Voltage V <sub>OC</sub> (V)	35.00	35.29	35.58	35.88	35.98
Typ. Short Circuit Current I <sub>SC</sub> (A)	7.21	7.26	7.32	7.37	7.39

## Mechanical Characteristics

Dimensions (L x W x H)	1640x990 x 35 mm
Weight	18 kg / 20 kg
Front Glass	High transparent solar glass (tempered). 3.2 mm/4.0 mm
Cell	60 Monocrystalline solar cells, 156mmx156mm
Cell Encapsulation	EVA
Black Sheet	Composite film
Frame	Anodized aluminum frame
Junction Box	Junction box with 3 bypass diodes
Cables	1x4 mm <sup>2</sup> , length: each 1.0m
Connector Type	MC4 compatible

## Operating Conditions

Mechanical Load	5400 Pa (Certified by TUV Inter Cert Saar)
Maximum System Voltage	IEC:DC1000 V/UL:DC 600 V
Series Fuse Rating	15 A
Operating Temperature	-40 to 85°C

## Temperature Characteristics

Nominal Operating Cell Temperature	45°C±3°C
Temperature Coefficient of I <sub>sc</sub>	0.05 % / °C
Temperature Coefficient of V <sub>oc</sub>	-0.32 % / °C
Temperature Coefficient of P <sub>max</sub>	-0.43 % / °C

- The above values are effective for an irradiation of 1000 W/m<sup>2</sup>, AM 1.5, and a cell temperature of 25°C according to STC 20°C, wind speed 1m/s
- Design and specification are subject to change without prior notice. All rights reserved.
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EN 61730

IEC 61215

IEC 61701

ISO 9001

ISO 14001

ISO 18001

