

GÜNEŞ ENERJİ PANELLERİ PV MODULES POLYCRYSTALLINE



Turkey

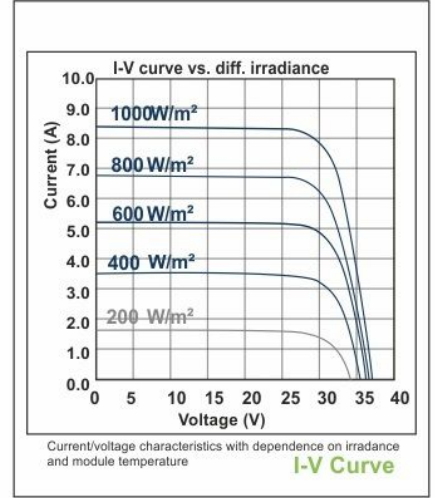
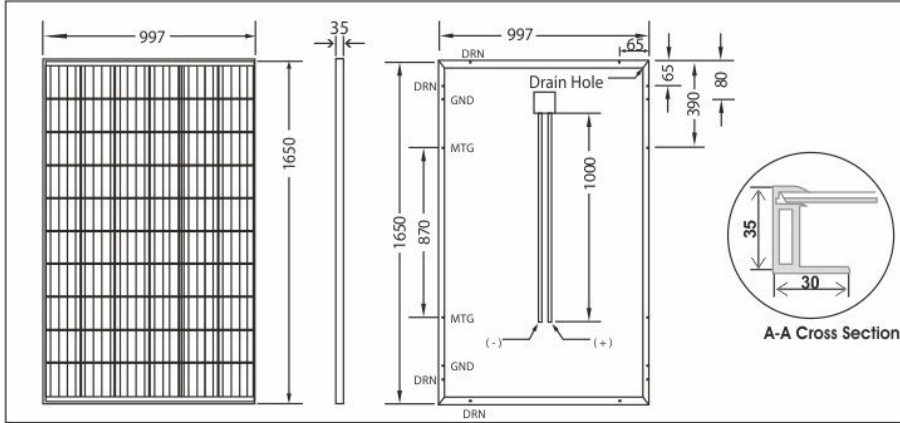
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the potential



International
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(Unit: mm)



Electrical Data at STC (4 BB)

- Below data are effective as the measurement at Standard Test Conditions (STC)
- STC : Radiation strenght 1000 W/m², spectral distribution AM 1.5, temperature 25±2°C, in accordance with EN 60904-3

Efficiency Code	G-P290	G-P285	G-P280	G-P275	G-P270	G-P265	G-P260
Efficiency - Eff (%)	17,7%	17,39%	17,20%	16,85%	16,49%	16,13%	15,77%
Power - Pmpp (W)	290	285	280	275	270	265	260
Max Power Voltage - Vmp (V)	32,58	32,32	32,47	32,50	32,19	31,92	31,57
Max Power Current - Imp (A)	8,912	8,845	8,65	8,49	8,41	8,314	8,24
Open Circuit Voltage Voc (V)	39	38,76	38,58	38,1	37,8	37,5	37,2
Short Circuit Current - Isc (A)	9,456	9,399	9,234	9,012	8,926	8,834	8,749

Mechanical Characteristics

Dimensions (Lx Wx H)	1650x997x35mm
Weight	18 kg / 20 kg
Front Glass	High transparent solar glass (tempered). 3.2 mm/4.0 mm
Cell	60 Polycrystalline solar cells
Cell Encapsulation	EVA
Back Sheet	Composite film
Frame	Anodized aluminum frame
Junction Box	Junction box with 3 bypass diodes
Cables	1x4 mm ² , 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 Isc	0,05% /°C
Temperature Coefficient of Voc	-0,32% /°C
Temperature Coefficient of Pmax	-0,43% /°C

- The above values are effective for an irradiation of 1000 W/m² AM 1.5. and a cell temperature of 25°C according STC 20°C, wind speed 1m/s
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EN 61730

IEC 61215

IEC 61701

ISO 9001

EN 14001

ISO 18001

