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# **EnergyPal**

## **Solar Panel Guide Specification Data Sheet**

**Solarturk Enerji  
STR 345-365W  
STR-355W**

Also available on the web at  
[EnergyPal.com/solarturk-enerji-solar-panels/str-355w](http://EnergyPal.com/solarturk-enerji-solar-panels/str-355w)

## 345W/350W/355W/360W/365W



### Yüksek Modül Verimliliği

High Module Conversion Efficiencies



### Kolay Kurulum ve Uyumluluk

Easy Installation and Handling for Various Applications



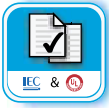
### 5400Pa Kar Yüküne & 2400Pa Rüzgar Kuvvetine Dayanıklı Yapıda

Load Capability of up to 5400Pa for Snow & 2400Pa for Wind



### Gelişmiş Cam ve Yüzey Teknolojisi sayesinde düşük ışıkta bile yüksek performans.

Advanced Glass And Surface Texturing Allow For Excellent Performance In Low-light Environments.



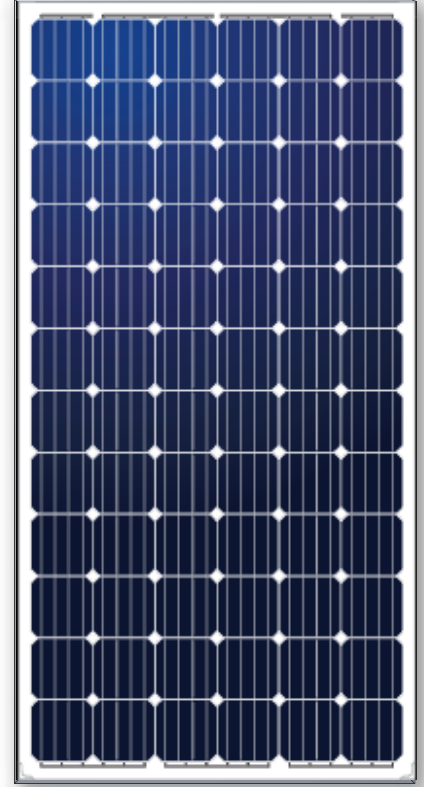
### IEC 61215, IEC 61730, IEC 62804, IEC 61701 Standartları Onaylı

Conforms with IEC 61215, IEC 61730, IEC 62804, IEC 61701 PV Standards



### ISO 9001, 14001, OHSAS 18001, TSE HYB 13381 - 12690 Sertifikalı

ISO 9001, 14001, OHSAS 18001, TSE HYB 13381 - 12690 Certified



5 WATT  
POZİTİF  
TOLERANS



10 İLK 10 YIL  
90% VERİM  
GARANTİSİ



10 YIL  
ÜRÜN  
GARANTİSİ



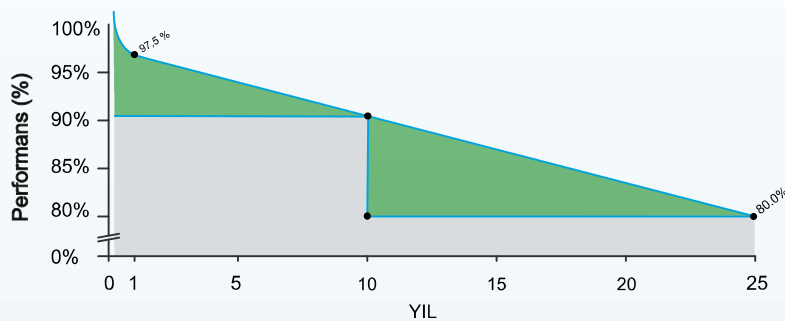
25 YIL 80%  
VERİM  
GARANTİSİ



5 Busbar  
Verim artışı ve  
Akım Kaybının  
azalması

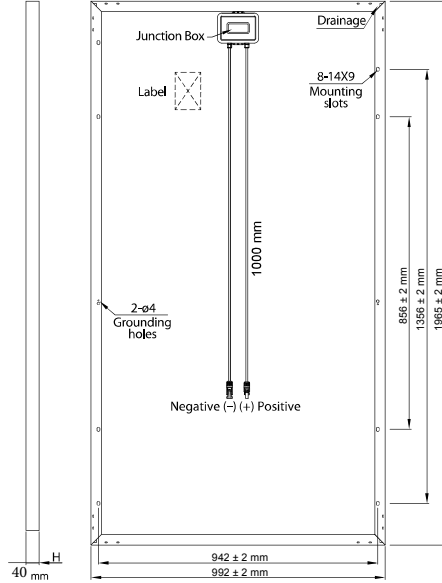
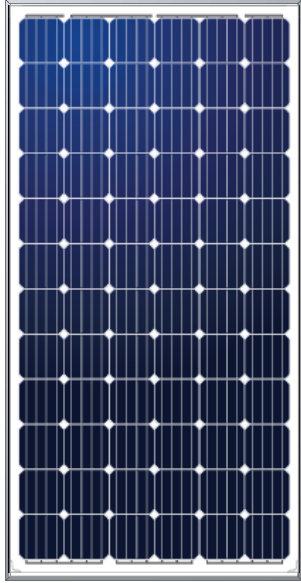


PID  
FREE



IP 65

IEC 61215 / 61730-1 / 61730-2 | IEC 61701 / 62804 | TS EN ISO 9001 / 14001 | TS ISG OHSAS 18001 | TSE HYB 12690 - 13381 | TS 62716



## ELECTRICAL PARAMETERS

### ELEKTRİKSEL ÖZELLİKLER

TYPE / TİP		STR-345W	STR-350W	STR-355W	STR-360W	STR-365W
STC AM 1.5, 1000W/m <sup>2</sup> , Module Temperature 25°C  Standart Test Koşulları Altında (Işınım 1000W/m <sup>2</sup> , AM 1.5, Hücre Sıcaklığı 25°C)	Rated Max. Power at STC (W) Nominal Güç (P <sub>max</sub> )	345	350	355	360	365
	Max. Power Voltage / V <sub>mp</sub> (V) Nominal Güç Voltajı (V <sub>mp</sub> )	38,18	38,41	38,69	38,91	39,10
	Max. Power Current / I <sub>mp</sub> (A) Nominal Güç Akımı (I <sub>mp</sub> )	9,02	9,11	9,18	9,26	9,33
	Open Circuit Voltage / V <sub>oc</sub> (V) Açık Devre Voltajı (V <sub>oc</sub> )	47,14	47,33	47,52	47,71	47,91
	Short Circuit Current / I <sub>sc</sub> (A) Kısa Devre Akımı (I <sub>sc</sub> )	9,55	9,61	9,66	9,71	9,75
	Module Efficiency (%) Modül Verimliliği (%)	17,7	17,90	18,20	18,50	18,80

Temperature Coefficient of P <sub>m</sub> Sıcaklık Katsayısı (P <sub>max</sub> )	-0.41 %/°C
Temperature Coefficient of V <sub>oc</sub> Sıcaklık Katsayısı (V <sub>oc</sub> )	-0.32 %/°C
Temperature Coefficient of I <sub>sc</sub> Sıcaklık Katsayısı (I <sub>sc</sub> )	+0.05 %/°C
Nominal Operating Cell Temperature Nominal İşletim Hücre Sıcaklığı (NOCT)	45°C±3°C

## PACKING CONFIGURATION

### PAKETLEME KONFIGÜRASYONLARI

MODULE SIZE MODÜL BOYUTU	CONTAINER KONTEYNER	20'GP	40'GP	40'HC
1965x992x35	Pieces Per Pallet Paletteki Modül Adedi	30	30	30
	Pallets Per Container Konteynirdeki Palet Adedi	10	24	26
	Pieces Per Container Konteynirdeki Modül Adedi	300	720	780

## MECHANICAL PARAMETERS

### MEKANİK ÖZELLİKLER

Cell (mm) Hücre Tipi	156,75x156,75 Poly 156,75x156,75 Polikristal
Dimensions (LxWxH) (mm) Boyutlar (mm)	1965x992x40mm 1965x992x40 mm
Weight Ağırlık	22 kg 22 kg
Cable Cross Section Size (mm <sup>2</sup> ) Çıktış Kablosu Kesiti (mm <sup>2</sup> )	4mm <sup>2</sup> (EU)/12 AWG (US) 1000 mm 4mm <sup>2</sup> (EU)/12 AWG (US) 1000 mm
No. of Cells and Connections Hücre Sayısı ve Bağlantı Tipi	60(6x10) Pcs Serial Connections 60(6x10) Adet Seri Bağlantı
Junction Box Bağlantı Kutusu	IP 65 - IP 68 / 3 Diodes IP 65 - IP 68 / 3 Diyot

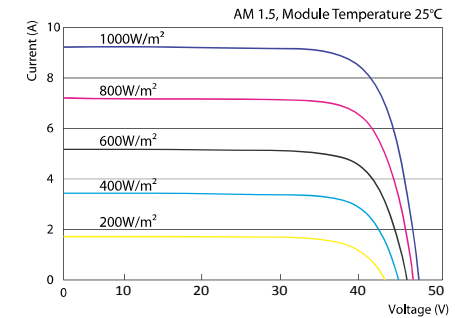
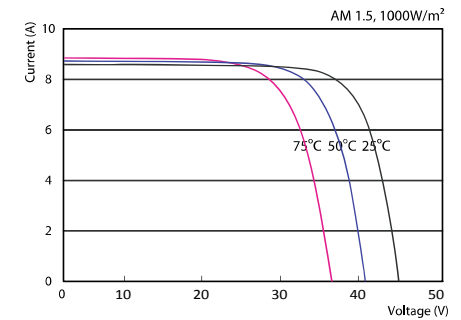
## QUALIFICATION

### YETERLİLİK

Max. System Voltage Max. Sistem Voltajı	1500 1500
Temperature Cycling Range Çalışma Sıcaklık Aralığı	-40°C--+120°C ★ -40°C--+120°C ★
Max. Series Fuse Diyot Maksimum Akımı	15 A 15 A
Max. Wind Load / Max. Snow Load Max. Rüzgar Yükü / Max. Kar Yükü	2400Pa / 5400Pa 2400Pa / 5400Pa
Damp Heat Test Nem Dayanım Testi	85°C and 85 relative humidity for 1000h 85°C and 85 relative humidity for 1000h
EL Test Status EL Test Durumu	EL test before and after lamination Laminasyon öncesi ve sonrası EL testi

## I-V DIAGRAM

### AKIM - GERİLİM GRAFİĞİ



## WARRANTY

### GARANTİ

- 90% power output over 10 years;  
İlk 10 Yıl % 90 Verim Garantisi
- 80% power output over 25 years;  
İlk 25 Yıl % 80 Verim Garantisi
- Free from defects in materials and workmanship for 10 years.  
İlk 10 Yıl Ürün Garantisi