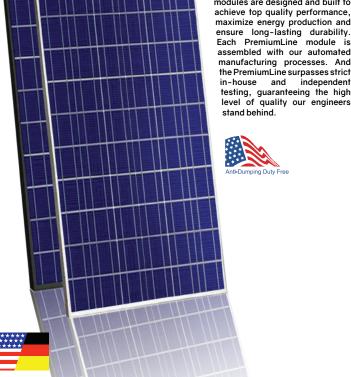
PowerLine Made for America

250W, 255W, 260W, 265W, 270W 60-Cell Mono - Crystaline

PowerLine Supreme Black/Silver

German engineered, PremiumLine modules are designed and built to achieve top quality performance, maximize energy production and ensure long-lasting durability. Each PremiumLine module is assembled with our automated manufacturing processes. And the PremiumLine surpasses strict in-house and independent

stand behind.



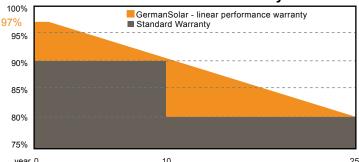
Built-in durability

GermanSolar only uses premium materials. To eliminate the possibility of hotspot formation thoroughly, strict control-criteria mandate a thermal picture of each cell before and after processing.

25-year linear performance warranty

Our 25-year linear performancewarranty covers for power loss less than 3% in the first year and only 0.35% degradation per year therafter.

25-Year Linear Performance Warranty



Intertek

Module Fire Performance TYPE 1 (UL 1703) CLASS C (IEC61730)

















MADE FOR AMERICA WITH QUALITY VALUE



Best price-performance ratio



Highest performance due to new cell technologies and high quality materials



25-year linear performance warranty



12-year product warranty



Up to 4.99 W more power performance with positive cell-sorting to guarantee higher yield



1000V UL



High quality j-box with connectors for long-time durability



Potential induced degradation (PID) Free



100% Effective hotspot-prevention processes with micro crack inspection ensure durability



More power due to better power tolerance: ±3%



Better performance in diffused sunlight and high temperature



High ammonia and salt mist resistance certified



Glass with anti-reflective coating



Individual testing and surveying, quality assurance by permanent production control incl. EL-test

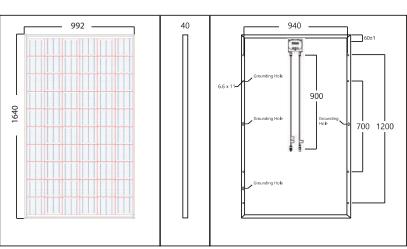


UV stabilized, aesthetically pleasing black anodized frame

Description

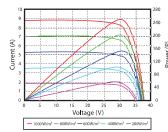
Item			Module Type GSP6 250/255/260/265/270W				
Electrical parameters at STC							
Maximum Power	Pmax(W)	250W	255W	260W	265W	270W	
Power Tolerance	W	0 +5W	0 +5W	0 +5W	0 +5W	0 +5W	
Tolerance	(%)	±3%	±3%	±3%	±3%	±3%	
Open Circuit Voltage	Voc(V)	37.5	37.8	38	38.3	38.5	
Short Circuit Current	Isc(A)	8.85	8.95	9.01	9.2	9.31	
Maximum Power Voltage	Vmpp(V)	30.10	30.50	30.70	30.89	31.11	
Maximum Power Current	Impp(A)	8.31	8.39	8.42	8.47	8.57	
Module Efficiency	(%)	15.3	15.6	15.9	16.2	16.5	
Solar Cell Efficiency	(%)	17.4	17.7	18.1	18.4	18.7	
STC: Irradiance 1000W/m2, Cell tempe	rature 25°C, AM1.5						
Electrical parameters at NOCT							
Maximum Power	Pmax(W)	187W	191W	194W	197W	201W	
Open Circuit Voltage	Voc(V)	34.5	34.8	35.0	35.3	35.6	
Short Circuit Current	Isc(A)	7.04	7.15	7.22	7.36	7.45	
Maximum Power Voltage	Vmpp(V)	28.2	28.5	28.8	29.1	29.4	
Maximum Power Current	Impp(A)	6.63	6.68	6.73	6.79	6.85	
NOCT: Irradiance 800W/m2, Ambient	temperature 20°C, Wii	nd speed 1 m _/	/s				
Mechanical Characteristics							
Cell Type	(mm)	156 x 156(Poly-Crystalline Silicon)					
Number of Cells	(Pcs)	60					
Maximum System Voltage	(V)	DC1000					
Temp. Coeff of Voc	(%/K)	-0.33%/K					
Temp. Coeff of Isc	(%/K)	+0.05%/K					
Temp. Coeff. Of Pmax	(%/k)	-0.43%/K					
Operating Temperature	(°C)	-40°C to +85°C					
Nominal Operating Cell Temperature	(°C)	45±2					
Max Series Fuse	(A)	15					
Insulation	(MΩ)	50					
Wind Bearing	(Pa)	≤5400					
Pressure Bearing	(Pa)	≤2400	0				

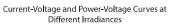
PHYSICAL CHARACTERISTICS Unit: mm 8.2 Mounting Hole Front Side Back

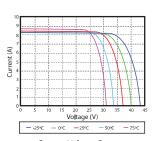


NOCT**	45°C ±2°C	
Module efficiency reduction at 200 W/ m ^{2***}	-0.6 (±0.3)% abs	
Max. System Voltage	1000 V DC	
IP Protection Level	IP 65	
Module Technology	Glass-Foil Laminate with anodized aluminum frame	
Module Design	Cover material: Solar glass with antireflection surface treatment, 0.13 in (3.2mm); Encapsulation: EVA-Solar Cells -EVA; Back material	
No. and Type of Solar Cells	60 crystalline solar cells 6.14 x 6.14 in (156 x 156 mm) 0.007 in \pm 1.18 x 103 (180 um \pm 30 μ hm)	
Cables	Junction box with MC4 connectors, cables: 2 x 3.28 ft/0.006 in2 (2 x 1 m/4 mm²)	
Junction Box	IP 67 rated, with 3 bypass diodes	
Dimensions (lxwxh)	64.56 x 39.05 x 1.57 in (1640 x 992 x 40mm)	
Weight	40.8 lbs/ 18.5 kg	
Operating Temperature Range	-40 +185°F (-40 +85°C)	
Ambient Temperature Range	-40 +113°F (-40 +45°C)	
Mechanical Ratings	Suction pressure and load of 50 lb/ft² (2400 Pa) approved (Wind speed 81 mph (130 km/h) with safety factor 3), load of 5400 Pa approved	
Certification	IEC 61215 : 2005 IEC 61730 -1/-2 : 2004 IEC 61701 : 1995 (salt mist resistant) DLG Focus Test (ammonia resistant) UL 1703 approved ETL UL 1703 : Type 1 Fire-Rating Fire Class: C FSEC listing UNI 9177 Class 1 EN 13501- 1 Class E	
Positive Sorting	-0 Wp / +4.99 Wp	
Pallet Dimensions in weight / size	1177.3 lbs (66.93 x 44.49 x 45.28) inches 26 modules per pallet	
Module Qty per Container	728pcs/40'HQ	
Product Warranty	12 years	
Performance Warranty	25 years, according to the Warranty Conditions of GermanSolar Linear Warranty	

I-V Curves







Current-Voltage Curves at Different Temperatures

STC-Standard Conditions, measurement conditions: intensity irradiation 1000 W/m2, spectral distribution AM 1,5 temperature25 ± 2°C, according to standard EN 60904-3

NOCT-Normal operation Cell Temperature, measurment conditions: irradation intensity 800 W/m², AM 1.5 temperature 20°C, wind speed 1n

Reduced efficiency, with the decrease in the intensity of irradation of 1000 Wim² and 200 Wim², temperature 25°C according EN 60904-1 ** Reverse current power rating: operation of the modules with an external power source is only permitted with a string fuse with a release current of <2 x Isc @ STC* easuring tolerance of Pmax @ STC ± 5% all other electric parameters ±10%</p>