



GermanSolar
The Partner For Your Solar Lifetime!®



Premiumline Perc Mono G1 60 Cells Solar Panel

GS-310G1B-60 to GS-335G1B-60 (310W to 335W)

GermanSolar is a specialist in customization, utilizing colored glass, frames, and back-sheet material and shapes to expertly match your ideas with the prospective application. With innovative technology and design, GermanSolar offers high-quality modules with enhanced aesthetic appearance for building structures and facades. By providing outstanding customization options, GermanSolar supports your required project needs with colored and shaped panels of your choice and advises you to choose the right size, thickness, shape, and color to compliment the design of your application and your building.

FEATURES



Best price-performance ratio



Positive power of up to +5.00 Wp



EL tested and micro cracks inspected



Fully automated production line with German quality engineering and design standards



Better performance in diffused sunlight and high temperature



High ammonia & salt mist resistant certified, and PID-free



Withstands wind loads up to 2400Pa / heavy snow loads up to 5400Pa



12-year limited product warranty



25-year linear performance warranty

PRODUCT CERTIFICATES



Front View

Electrical Data						
Electrical Specifications	GS-310G18-60	GS-315G18-60	GS-320G18-60	GS-325G18-60	GS-330G18-60	GS-335G18-60
Nominal Max. Power (Pmax) *	310W	315W	320W	325W	330W	335W
Open Circuit Voltage (Voc)	40.30	40.53	40.78	41.04	41.3	41.59
Short Circuit Current (Isc)	10.04	10.11	10.18	10.25	10.32	10.39
Max. Power Voltage (Vmpp)	32.61	32.9	33.18	33.45	33.76	34.07
Max. Power Current (Impp)	9.52	9.58	9.65	9.72	9.78	9.85
Module Efficiency	18.78%	19.09%	19.39%	19.69%	20.00%	20.30%
Power Tolerance	0 ~ +5W					
Temperature Coefficient (Pmax)	-0.3955% / ° C					
Temperature Coefficient (Isc)	+0.052% / ° C					
Temperature Coefficient (Voc)	-0.2653% / ° C					

* STC: Irradiance 1000W/m, Cell Temperature 25°C, Air Mass AM1.5.

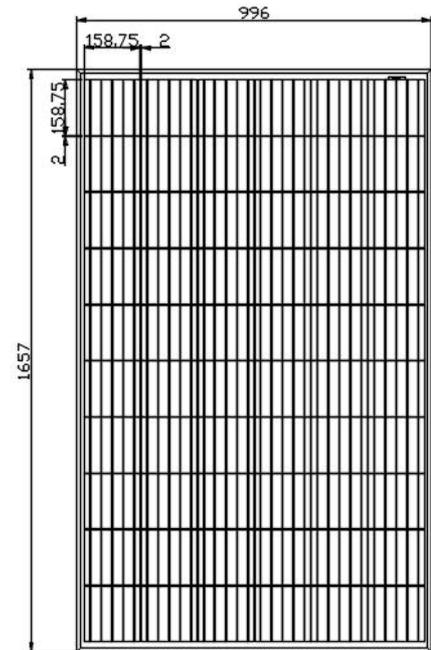
Electrical Data, NMOT *						
Nominal Max. Power (Pmax)	235W	238W	242W	246W	250W	254W
Open Circuit Voltage (Voc)	38.08	38.23	38.77	38.99	39.28	39.59
Short Circuit Current (Isc)	8.16	8.23	8.28	8.36	8.40	8.44
Max. Power Voltage (Vmpp)	30.65	30.93	31.19	31.44	31.73	32.03
Max. Power Current (Impp)	7.66	7.71	7.77	7.83	7.88	7.92
NMOT (Nominal Module Operating Temperature)	41° C ± 3° C					

* NMOT: Irradiance at 800W/m, Ambient Temperature 20°C, Wind Speed 1m/s.

Mechanical Data	
Dimensions	1657 x 996x 35 mm (65.24 × 39.21 × 1.38inches)
Weight	18.4kg (40.57lb)
Solar Cell	Perc monocrystalline G1
Front glass	3.2mm (0.13 inches), High Transmission, AR Coated Heat Strengthened Glass
Frame	Anodized aluminum alloy, original or black
Junction Box	IP65, 3 diodes
Cable	12AWG(UL), 1000mm
Connector	MC4 or MC4 compatible
Application Classification	Class A
Module Fire Performance	Type 1 (UL 1703)

Packaging	
Standard packaging	29pcs /pallet
Module quantity per 40' container	812pcs /40' HQ container

Operating Conditions	
Max. System Voltage	1500 VDC
Operating Temperature	-40° C ~ +85° C
Max. Series Fuse Rating	20A
Front Side Maximum Static Loading/Rear Side Maximum Static Loading	5400 Pa/2400 pa



Back View

