

The Future of Solar Energy is Now



Gutmann Solar Monocrystalline **Professional** GSMP 310

Performance & Incentives

Premium PV Panels designed with German specifications

Strict quality control of production ensuring reliability and consistency

High efficiency, maximum energy yield, and extensive return period

Competitive pricing relative to quality

Flexible financing solutions offered for PV Projects
equipped with Gutmann Solar panels

Added-value PV Project Management for clients
who seek turnkey solutions

TÜV Certified to ensure
performance excellence



ELECTRICAL DATA

Module Type	GSMP 310
Rated Power	310 W
Maximum Power Voltage (Vmp)	36.00
Maximum Power Current (Imp)	8.61
Open Circuit Voltage (Voc)	44.90
Short Curcuit Current (Isc)	8.91
Module Efficiency (n)	>15.99%
Power Tolerance	0~+3%
Maximum System Voltage	1000 V DC

Performance at STC: AM 1.5, 1000W/m², 25°C

MECHANICAL DATA

Dimensions	1956mm x 992mm x 40mm
Weight	22.5kg
Cells	Monocrystalline 72 (6 x 12)
Cell Size	6"
Glass Thickness	4.0mm tempered glass
Frame Material	Anodized Aluminium
Junction Box	IP67, combined with 3 bypass diodes
Output Cables	900mm length, compatible with MC4 Connector

QUALITY & WARRANTY

Quality Tests	ISO 9001: 2008 quality standards and ISO 14001: 2004 environmental standards
Certification	TÜV Nord certified according to IEC 61215 and IEC 61730 Class A certifications
Snow Load Capacity	5400 Pascal
Wind Resistance	2400 Pascal
Achievement Guarantee	90% power output after 12 years 80% power output after 30 years
Warranty	12-year product warranty

TEMPERATURE COEFFICIENTS

Pmax Temp Coefficient	-0.40%/ °C
Voc Temp Coefficient	-0.31%/ °C
Isc Temp Coefficient	+0.03%/ °C
Operating Temperature Range	-40~+85°C
NOCT (Nominal Operating Cell Temp)	45±2 °C

AUTHORIZED DEALER:

PACKAGING DATA

No. of units per pallet	28
No. of units per 40' HC container	672
Box Dimensions (L x W x H)	1975 x 985 x 2270mm

