

GSM410-72/PR

PERC Monocrystalline 410W



Advanced Technology&Perfect Performance

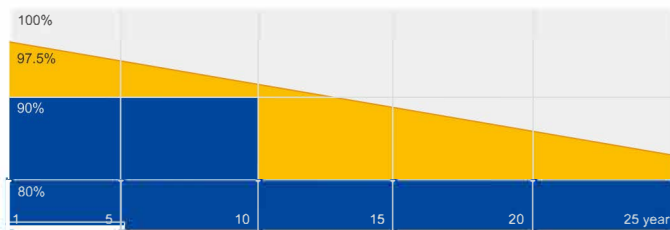
- High module conversion efficiency
- Low degradation and excellent performance under high temperature and low light conditions.
- Robust aluminum frame ensures the modules to withstand wind loads up to 2400Pa and snow loads up to 5400Pa.
- High reliability against extreme environmental conditions (passing salt mist, ammonia and hail tests).
- Potential induced degradation (PID) resistance.
- Positive power tolerance of 0 ~ +3 %.

Comprehensive Certificates

- IEC 61215, IEC 61730
- ISO 9001: 2015 Quality management systems
- ISO 14001: 2015 Environmental management systems
- OHSAS 18001: 2007 Occupational health and safety management systems
- IEC TS 62941: 2016 Terrestrial photovoltaic (PV) module Guidelines for increased confidence in PV module design qualification and type approval

Superior Warranty

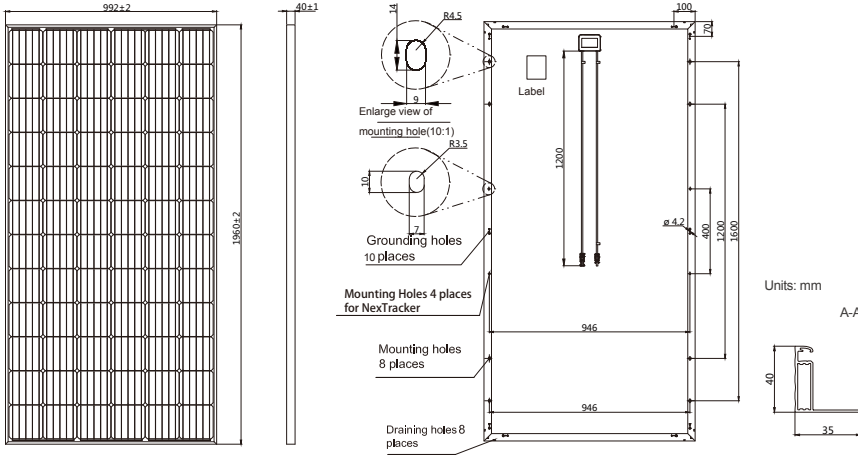
- 12-year product warranty
- 25-year linear power output warranty



■ Greensun Liner Power Warranty ■ Industry Warranty



SPECIFICATIONS



Remark: customized frame color and cable length available upon request

Cell	Mono
Weight	22.3kg±3%
Dimensions	1960±2mm×992±2mm×40±1mm
Cable Cross Section Size	4mm ²
No. of cells	72(6x12)
Junction Box	IP67, 3 diodes
Connector	MC4
Packaging Configuration	27 Per Pallet

ELECTRICAL PARAMETERS AT STC

TYPE	GSM72 390/PR	GSM72 395/PR	GSM72 400PR	GSM72 405PR	GSM72 410PR
Rated Maximum Power(Pmax) [W]	390	395	400	405	410
Open Circuit Voltage(Voc) [V]	49.35	49.64	49.93	50.22	50.51
Maximum Power Voltage(Vmp) [V]	40.21	40.48	40.75	41.04	41.31
Short Circuit Current(Isc) [A]	10.22	10.27	10.32	10.37	10.42
Maximum Power Current(Imp) [A]	9.70	9.76	9.81	9.86	9.91
Module Efficiency [%]	19.8	20.0	20.2	20.4	20.6

Power Tolerance 0~+5W
 Temperature Coefficient of Isc(α_{Isc}) +0.060%/°C
 Temperature Coefficient of Voc(β_{Voc}) 0.300%/°C
 Temperature Coefficient of Pmax(γ_{Pmp}) 0.370%/°C

STC Irradiance 1000W/m², cell temperature 25°C, AM1.5G

Remark: Electrical data in this catalog do not refer to a single module and they are not part of the offer. They only serve for comparison among different module types
 *For NexTracker installat ons static loading performance: front load measures 2400Pa, while back load measures 2400Pa

ELECTRICAL PARAMETERS AT NOCT

TYPE	GSM72 390/PR	GSM72 395/PR	GSM72 400/PR	GSM72 405/PR	GSM72 410/PR
Rated Max Power(Pmax) [W]	289	292	295	299	302
Open Circuit Voltage(Voc) [V]	46.78	47.09	47.40	47.71	48.02
Max Power Voltage(Vmp) [V]	37.92	38.21	38.41	38.62	38.90
Short Circuit Current(Isc) [A]	8.07	8.11	8.15	8.19	8.23
Max Power Current(Imp) [A]	7.61	7.65	7.69	7.73	7.77

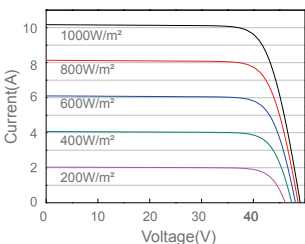
NOCT Irradiance 800W/m², ambient temperature 20°C, wind speed 1m/s, AM1.5G

OPERATING CONDITIONS

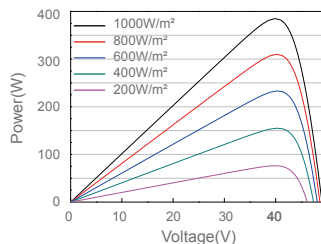
Maximum System Voltage	1000V
Operating Temperature	40°C~+85°C
Maximum Series Fuse	20A
Maximum Static Load,Front*	5400Pa
Maximum Static Load,Back*	2400Pa
NOCT	45±2°C
Application Class	Class A

CHARACHERRISTICS

Current-Voltage Curve GSM72-390/PR



Power-Voltage Curve GSM72-390/PR



Current-Voltage Curve GSM72-390/PR

