GCL-M3/72DH
Bifacial Monocrystalline Module
370-405W

405W
Maximum Power Output

20.1% Maximum Module Efficiency

0.4-5W Power Output Guarantee

GCL Delivers Reliable Performance Over Time
- Medical-class manufacturer of crystalline silicon photovoltaic modules
- Fully automatic facility and world-class technology
- Tested for harsh environments (ballast, ammonia corrosion and sand
- Blowing test: IEC 791, IEC 61701, EN 50536 S-168)
- Long-term reliability tests
- 2x100C EL inspected ensuring defect-free modules

Linear Performance Warranty
- 72% Years Product Warranty - 30 Years Linear Power Warranty

Additional Insurance Backed by Solar RC

Selected encapsulating material and stringent production process control and testing make this product highly resistant to humid and salty environments.

GCL-GEMINI

Use the TEDS™ DNT™ Film produced by DUPONT

DUPONT

Additional insurance backed by Solar RC

Higher lifetime power yield: 3.0% annual power degradation under 30 years power warranty

Special cell process ensures that the product is free from interior defects.

Sand blowing test, salt mist test and ammonia test performed to ensure harsh environments.

Mechanical Data
- Number of Cells: 144 Cells
- Weight (kg): 23.1 kg
-ja
- Backsheet: Ultra high transmittance glass (3.0mm), (1.150.7mm)
- Frame: Tin coated aluminum alloy
- J-Box: IEC61730
- Cable: 4.0mm² (30 AWG, 1000mm, TUV certified)
- Number of Shocks: 5
- Wind Power Limit: 30% Pmax
- Connector: MC-Compliant

For more details please consult the installation manual on GCL.

Temperature Ratings
- Nominal Operating Cell Temperature (NOC)
- Temperature Coefficient of No: +0.3%/°C
- Temperature Coefficient of Perf: -0.2%/°C

Packaging Configuration
- Module per box: 20 pieces
- Module per 40' container: 405 pieces

Additional insurance backed by Solar RC

Bringing Green Power To Life

www.gcl.com

INNOVATEUS SOLAR

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NORTHERN CARDINAL SOLAR

SCS II, LLC

SOL CUSTOMER SOLUTIONS

MODULE Datasheet E-5.05
THE DUOMAX twin

144-Cell MONOCRYSTALLINE MODULE

380-405W POWER OUTPUT RANGE

20.0% MAXIMUM EFFICIENCY

0~+5W POSITIVE POWER TOLERANCE

High power output
- Up to 40% front power and 20.0% module efficiency with half-cut technology enabling higher I0S savings
- Lower resistance of half-cut cells ensures higher power

Certified to perform in highly challenging environments
- High P.O. resistance through cell process and module material control
- Resistant to salt, acid, sand, and ammonia
- Proven to be reliable in high temperature and humidity area
- Certified to the best fire class A
- Meets micro-crack and small trials
- Certified to IEC/EN 61701 Positive load and Z400 No negative load

High energy generation, low LCOE
- Up to 25% additional power gain from back side, depending on the albedo
- Excellent 3rd party validated I-M and low light performance with cell process and module material optimization
- Low temp coefficient (-0.32%/°C) and PERL increase energy production
- Better anti-shading performance and lower operating temperature
- Higher power from same installation footprint as standard modules

Easy to install, wide application
- Frame design enables compatibility with standard installation methods
- Deployable for ground mounted utility, carsports, and agricultural projects
- Safe and easy to transport, handle, and install like normal framed modules

BIFACIAL DUAL GLASS 144 HALF-CELL MODULE

Electrical Data (Voc)
- Front Transmittance (%)
- Power Output (Wattage)
- Maximum Power Point Voltage (V)
- Maximum Power Point Current (A)
- Open Circuit Voltage (V)
- Short Circuit Current (A)
- Module Efficiency (%)

Mechanical Data
- Weight
- Dimensions
- Fill Factor
- Cell Efficiency
- Glass Type
- Warranty

Temperatures (°C):
- Nominal Temperature
- Operating Temperature
- Temperature Coefficient of Voc
- Temperature Coefficient of Isc
- Operating Temperature Range

Warranty:
- Limited Product Warranty
- All Years Power Output

**Note:** The images and diagrams are a visual representation of the module's specifications and design, which may not be fully comprehensive or accurate.