



GSY7054M-435BW

- Suitable for Distribution Market
- Simple design embodies modern style
- Better energy generation performance
- High-quality module guarantees long-term reliability

COMPLETE SYSTEM AND PRODUCT CERTIFICATIONS

IEC 61215, 61730, UL61730

ISO9001:2015:ISO Quality Management System

IEC62941: Guideline for module design qualification and type approval

ISO14001: 2015:ISO Environment Management System

ISO45001: 2018: Occupational Health and Safety



15-year Warranty for
Materials and Processing



25-year Warranty for Extra
Linear Power Output



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* GS-EN-Version 2023.3.24

22.3%

MAX MODULE
EFFICIENCY

0~3%

POWER
TOLERANCE

< 1.5%

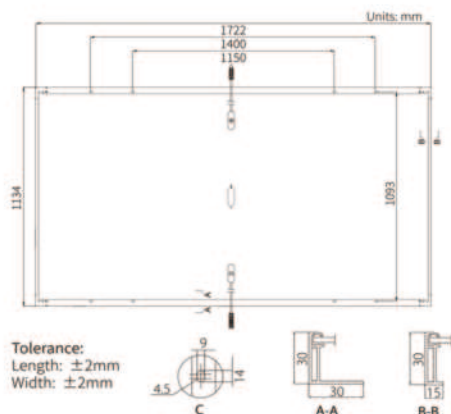
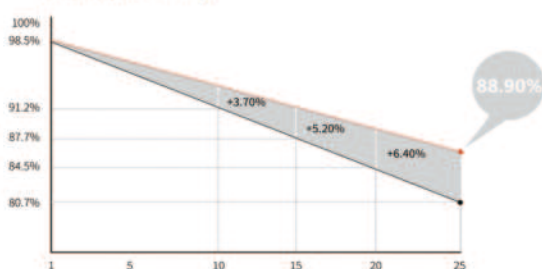
FIRST YEAR
POWER DEGRADATION

0.40%

YEAR 2-25
POWER DEGRADATION

ADDITIONAL VALUE

25-Year Power Warranty



MECHANICAL LOADING

Front Side Maximum Static Loading 5400Pa

Rear Side Maximum Static Loading 2400Pa

Hailstone Test 25mm Hailstone at the speed of 23m/s

MECHANICAL PARAMETERS

Cell Orientation	108(6X18)
Junction Box	IP68, three diodes
Output Cable	4mm ² , $\pm 1200\text{mm}$ length can be customized
Glass	Single glass, 3.2mm coated tempered glass
Frame	Anodized aluminum alloy frame
Weight	20.8kg
Dimension	1722X1134X30mm
Packaging	36pcs per pallet/216pcs per 20'GP /936pcs per 40' HC

OPERATING PARAMETERS

Operational Temperature	-40°C~+85°C
Power Output Tolerance	0~3%
Voc and Isc Tolerance	$\pm 3\%$
Maximum System Voltage	DC1500V(IEC/UL)
Maximum Series Fuse Rating	25A
Nominal Operating Cell Temperature	45 ± 2 °C
Protection Class	Class II
Fire Rating	UL type 1 or 2 IEC Class C

TEMPERATURE RATINGS(STC)

Temperature Coefficient of Isc	+0.050%/°C
Temperature Coefficient of Voc	-0.230%/°C
Temperature Coefficient of Pmax	-0.290%/°C

ELECTRICAL CHARACTERISTICS

STC:AM1.5 1000W/m² 25°C NOCT:AM1.5 800W/m² 20°C 1m/s
Test uncertainty for Pmax: $\pm 3\%$

Module Type	GSY7054M-415		GSY7054M-420		GSY7054M-425		GSY7054M-430		GSY7054M-435	
Testing Condition	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power(Pmax/W)	415	310	420	314	425	318	430	321	435	325
Open Circuit Voltage (Voc/V)	38.53	36.18	38.73	36.36	38.93	36.55	39.13	36.74	39.33	36.93
Short Circuit Current (Isc/A)	13.92	11.24	14.00	11.31	14.07	11.36	14.15	11.43	14.22	11.49
Voltage at Maximum Power (Vmp/V)	32.24	29.42	32.44	29.60	32.64	29.78	32.84	29.97	33.04	30.15
Current at Maximum Power (Imp/A)	12.88	10.54	12.95	10.60	13.03	10.67	13.10	10.72	13.17	10.78
Module Efficiency(%)	21.3		21.5		21.8		22.0		22.3	



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