

Goldi Lux

N-Type

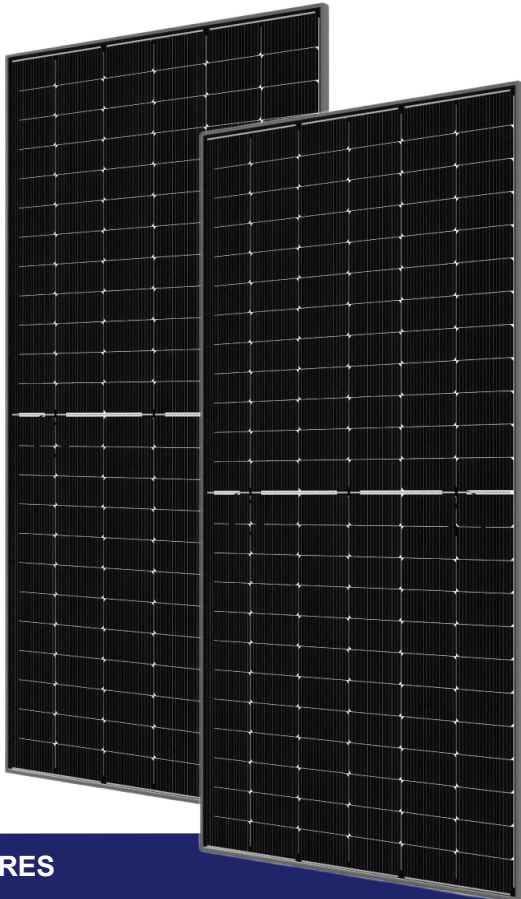
GAL10R72

[580-605W]

Bifacial Dual Glass Half-Cut Mono N-Type

Management System and Product Certifications:
 UL 61730 / UL 61215
 ISO 9001:2015 Quality Management System
 ISO 14001:2015 Environmental Management System
 ISO 45001:2018 Occupational Health System
 IEC 62941:2019 Quality System for PV Module Manufacturing

CERTIFICATIONS CURRENTLY IN PROCESS



KEY FEATURES



N-Type Technology providing the HIGHEST cell efficiency and higher module power



Improved moisture resistance and airtightness



Up to 85% Bifaciality facilitating more energy yield from backside with dual glass



Heavy snow load up to 5400 Pa, wind load up to 2400 Pa



Compatible with mainstream trackers, cost effective for commercial and utility scale plants



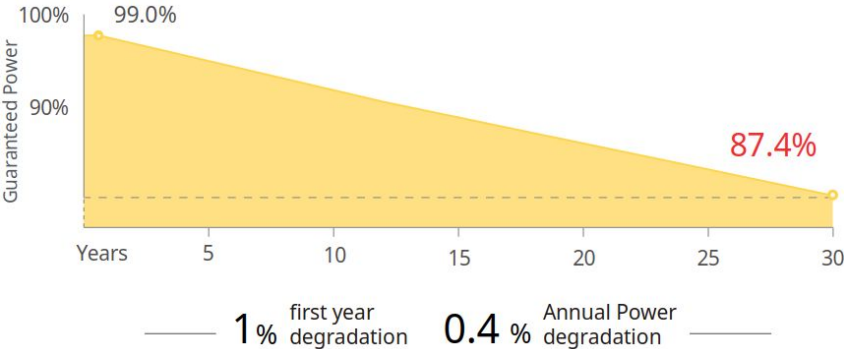
Fire Type 29 protection with dual-glass and a reinforced steel frame for maximum mechanical load and fire resistance

Guaranteed Power Performance

25 Years Product Warranty

30 Years Linear Power Warranty

0.40% Annual Degradation Over 30 Years



As different markets have different certification requirements, please consult our Goldi America sales group to obtain the corresponding certification for the local market. If any special requirements are needed for the specific installing environment, please feel free to contact Goldi America technical support department anytime.

GAL10R72
580-605W

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Weight

32 kg

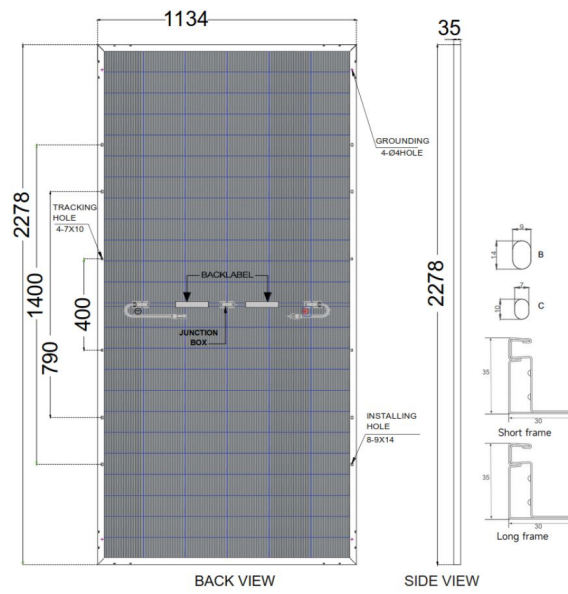
Dimensions

2278*1134*35mm

Packaging

20 Pallets / 720 pcs / 40' HQ Container

16 Pallets / 576 pcs / 53' Trailer Truck (Weight)


OPERATING CONDITIONS

Operating Temperature	-40°C~+85°C
Maximum System Voltage	DC1500V (UL/IEC)
Maximum Series Fuse Rating	30A
Tolerance of Pmax	0~+3%
Power Sorting	0~+5W
Bifaciality	80±5%
Safety Class	Class II
Nominal Module Operating Temperature(NMOT)	45±2C

MECHANICAL CHARACTERISTICS

Cell Type	Bifacial N-Type, M10R (182.2mm x 91.875mm)
No. Of Cells	144 (6x24)
Front Glass	2.0 mm Tempered glass; Anti-Reflective Coating
Back Glass	2.0 mm Tempered glass
Frame	U.S. Steel ZMAGTM Coated Steel
Junction Box	IP68, 3 bypass diodes
Output Cables	4mm ² (IEC), 12 AWG (UL); 1200 mm or customized; UV resistant
Connectors	Amphe-PV H4 / MC4 / MC4-Evo2 / MC4-Evo2A
Mechanical Load	5400Pa(Front)/2400Pa(Back)

ELECTRICAL PARAMETERS AT STC

Module Type	GAL10R72-580W	GAL10R72-585W	GAL10R72-590W	GAL10R72-595W	GAL10R72-600W	GAL10R72-605W
Maximum Power - Pmax (W)	580	585	590	595	600	605
Maximum Power Voltage - Vmp (V)	43.6	43.8	44.0	44.2	44.4	44.6
Maximum Power Current - Imp (A)	13.31	13.37	13.43	13.48	13.54	13.60
Open-Circuit Voltage - Voc (V)	52.0	52.2	52.4	52.6	52.8	53.0
Short-Circuit Current - Isc (A)	14.20	14.26	14.32	14.38	13.84	13.90
Module Efficiency STC (%)	22.45%	22.65%	22.84%	23.03%	23.23%	23.42%

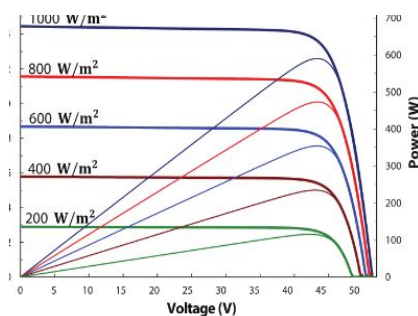
 *Standard Test Conditions (STC): AM1.5, 1000W/m², 25°C.

ELECTRICAL PARAMETERS AT
BSTC**
NOCT***

	BSTC**						NOCT***					
Maximum Power - Pmax (W)	643	648	654	660	665	670	438	442	449	446	454	457
Maximum Power Voltage - Vmp (V)	43.6	43.8	44.0	44.2	44.4	44.6	40.44	40.70	40.84	40.93	41.24	41.35
Maximum Power Current - Imp (A)	14.75	14.81	14.88	14.94	15.00	15.06	18.83	10.86	10.92	10.97	11.01	11.06
Open-Circuit Voltage - Voc (V)	52.0	52.2	52.4	52.6	52.8	53.0	49.00	49.10	49.30	49.50	49.70	49.86
Circuit Current - Isc (A)	15.73	15.80	15.87	15.23	15.30	15.37	11.46	11.51	11.56	11.60	11.65	11.70

 **Bifacial Standard Test Conditions (BSTC): AM1.5, 1000W/m², 135W/m², 25°C.

 ***Nominal Operating Cell Temperature (NOCT): AM1.5, 800W/m², 20°C, 1m/s.

IV-CURVE

TEMPERATURE CHARACTERISTICS

Temperature Coefficients of Pmax	-0.30%/°C
Temperature Coefficients of Voc	-0.26%/°C
Temperature Coefficients of Isc	0.046%/°C

Driving American Energy Independence.

Globally Sourced.

Geopolitically Compliant.

