

HELOC<sup>®</sup> PRO

GS10-M108-WF  
(390 Wp - 415 Wp)



**High Saving**

Lower LCOE, reduced BOS cost, shorter payback time



**PID Resistance**

Excellent Anti-PID Performance guarantee limited power degradation for mass production



**High Efficiency**

Excellent module conversion efficiency of up to 21.17%



**IP68 Junction Box**

High waterproof level



**Low-light Performance**

Advanced glass and cell surface textured design ensure excellent performance in low-light environment



**INDUSTRY LEADING PROTECTION**



12 Years Warranty For  
Materials And Processing



25 Years Warranty For  
Linear Power Output

# BEST IN Grade Quality Class Results



## TECHNICAL DATA

Electrical Parameter at STC	Bifacial Monocrystalline Module					
Module Type	GS10-M108-WF					
Capacity rating – Pmax(Wp)	390	395	400	405	410	415
Power Tolerance (%)	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2
Module efficiency (%)	19.90	20.15	20.40	20.66	20.92	21.17
Rated voltage - Vmp(V)	30.77	30.95	31.10	31.27	31.44	31.61
Rated current - Imp(A)	12.69	12.77	12.87	12.96	13.05	13.14
Open circuit voltage - Voc(V)	37.00	37.05	37.10	37.15	37.20	37.25
Short circuit current - Isc(A)	13.41	13.44	13.47	13.50	13.53	13.56

Under Standard Test Conditions (STC) of irradiance 1000 W/m<sup>2</sup>, spectrum AM 1.5 and Module temperature of 25°C. Except Pmax, all other parameters have a tolerance of ±3%.

Electrical Parameter at NMOT						
Capacity rating – Pmax(Wp)	289	292	296	300	304	307
Rated voltage - Vmp(V)	28.70	28.87	29.00	29.16	29.32	29.48
Rated current - Imp(A)	10.07	10.13	10.21	10.18	10.35	10.43
Open circuit voltage - Voc(V)	34.60	34.65	34.69	34.74	34.79	34.83
Short circuit current - Isc(A)	10.80	10.82	10.85	10.87	10.89	10.92

Irradiance 800 W/m<sup>2</sup>, ambient temperature 20°C, wind speed 1 m/sec

## PERMISSIBLE OPERATING CONDITIONS

Temperature range	-40°C to +85°C
Maximum system voltage	1500 VDC
NMOT	45± 2°C
Hail resistance	Max. diameter of 25 mm with velocity 23 m/s

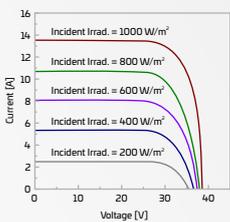
## TEMPERATURE COEFFICIENTS (TC)

Temperature Coefficient (Voc)	-0.28% /°C
Temperature Coefficient (Isc)	0.048% /°C
Temperature Coefficient (Pmax)	-0.34% /°C

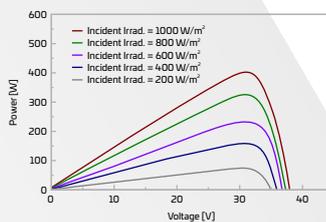
## PACKAGING CONFIGURATION##

Number of Modules per Pallet	31
No of pallet	26
No of module, 40ft HC container	806

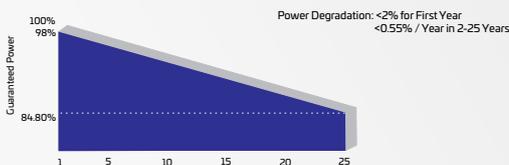
## IV CURVE



## PV CURVE



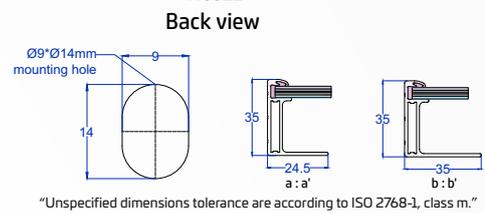
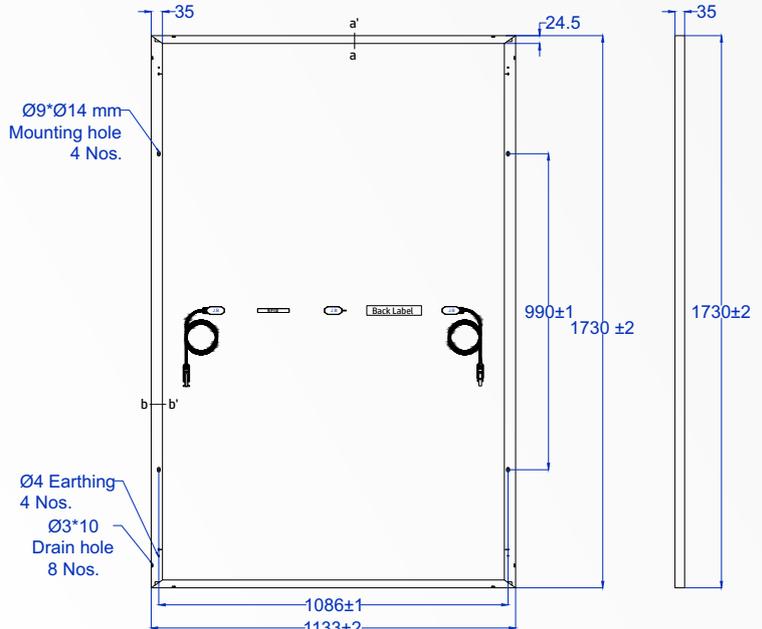
## LINEAR GRAPH



## MECHANICAL SPECIFICATION

Solar cells	108 pcs monocrystalline Silicon (PERC), Multi BB
Encapsulation	PID & UV resistance
Backside	UV protected reflective backsheets
Frame	Silver Anodized Aluminium Alloy
Solar Glass	3.2 mm, High Transmission, AR Coated Tempered Glass
Dimensions	(L) 1730 mm x (W) 1133 mm x (H) 35 mm"
Weight	~21 Kg
J-box	IP 68 certified, 3 diodes, Split junction box
Series Fuse Rating	25 A
Cable	4 mm <sup>2</sup> , Solar cable 400mm/1400mm length or Customized length
Connectors	MC4 Type
Application Class	Class A
Electrical Safety	Class II
Fire Safety	Class C ( Type 1)
Surface load	Snow load 5400 Pa, Wind load 2400 Pa

## DRAWING (MEASUREMENTS ARE IN MM)



## PRODUCT CERTIFICATIONS

IEC 61215: 2016, IEC 61730: 2016, IS 14286:2010/IEC 61215:2005, IS/IEC 61730-1 & 2: 2004  
UL 61730-1 & 2, IEC 61701, IEC 62716, IEC 62804, IEC 60068-2-68, CEC



## MANAGEMENT SYSTEM CERTIFICATIONS



UTILITY | INDUSTRIAL | AGRICULTURE | RESIDENTIAL

- \*\*Quantity of modules/container may get changed without prior notice.
- For handling & installation instructions, refer to Goldi's installation manual available on the company website
- Before placing an order, confirm your requirements with our sales representative
- The electrical data provided is for reference purposes only
- PV modules needs to be disposed as per government regulations, after it's life cycle
- Refer to Goldi's warranty document for terms and conditions
- Due to constant product modifications, Goldi reserves the right to amend the above specifications without prior notice
- Images in the datasheet are for representation purpose only

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