10 Years of Making a Difference

GOLDI SOLAR

HELOC® PRO | GS10-M156-WF

(580 Wp - 600 Wp)

High Saving
Lower LCOE, reduced BOS cost, shorter payback time

High Efficiency
Excellent module conversion efficiency of up to 21.50%

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

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

IP68 Junction Box
High waterproof level

MADE IN INDIA ★ MADE IN INDIA

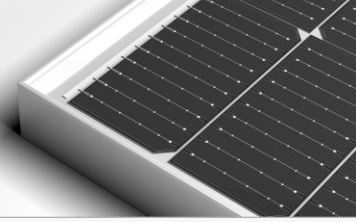
INDUSTRY LEADING PROTECTION

12 YEARS — 12 Years Warranty For Materials And Processing

25 YEARS — 25 Years Warranty For Linear Power Output

ISO 9001:2015, ISO 14001:2015, ISO 45001:2018 certified facility

BEST IN Grade Quality Class Results



TECHNICAL DATA

Electrical Parameter at STC	Monocrystalline Module				
Module Type	GS10-M156-WF				
Capacity rating – Pmax(Wp)	580	585	590	595	600
Power Tolerance (%)	0-2	0-2	0-2	0-2	0-2
Module efficiency (%)	20.70	20.90	21.10	21.30	21.50
Rated voltage - Vmp(V)	44.97	45.11	45.25	45.39	45.53
Rated current - Imp(A)	12.90	12.97	13.04	13.11	13.18
Open circuit voltage - Voc(V)	53.59	53.73	53.87	54.01	54.15
Short circuit current - Isc(A)	13.79	13.86	13.93	14.00	14.07

Under Standard Test Conditions (STC) of irradiance 1000 W/m², 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)	432	436	439	443	447
Rated voltage - Vmp(V)	41.0	42.1	42.2	42.3	42.5
Rated current - Imp(A)	10.30	10.35	10.41	10.46	10.52
Open circuit voltage - Voc(V)	50.4	50.6	50.7	50.8	51.0
Short circuit current - Isc(A)	11.12	11.17	11.23	11.28	11.34

Irradiance 800 W/m², ambient temperature 20°C,Module temperature 45°C, wind speed 1 m/sec

PERMISSIBLE OPERATING CONDITIONS

Temperature range	-40°C to + 85°C
Maximum system voltage	1500 VDC
NMOT	43± 2°C
Hail resistance	Max. diameter of 25 mm with velocity 23 m/s

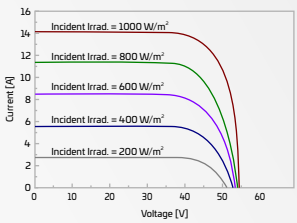
TEMPERATURE COEFFICIENTS (TC)

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

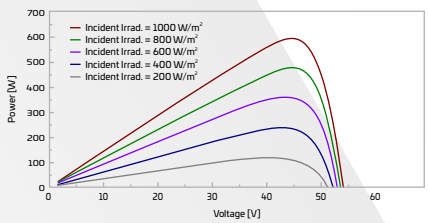
PACKAGING CONFIGURATION##

Number of Modules per Pallet	31
No of pallet	16
No of module, 40ft HC container	496

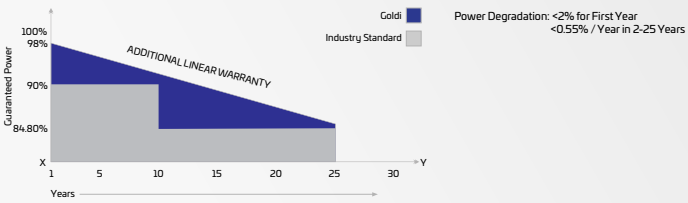
IV CURVE



PV CURVE



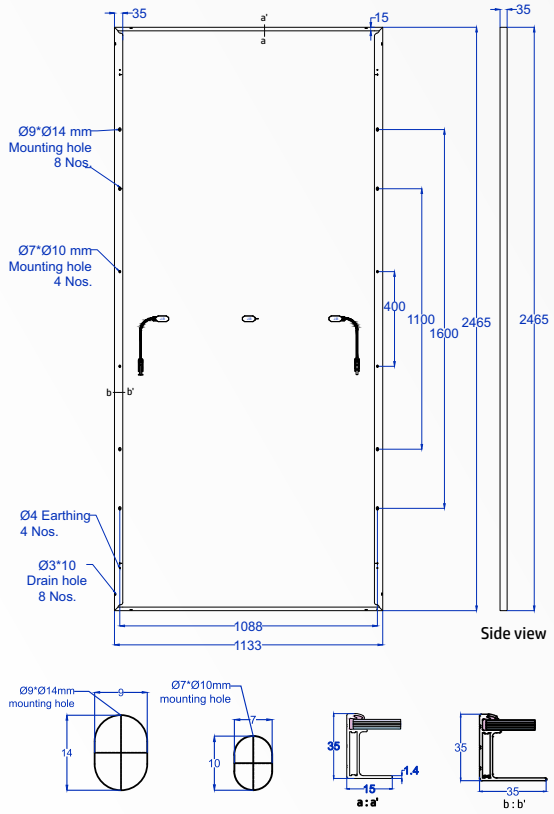
LINEAR GRAPH



MECHANICAL SPECIFICATION

Solar cells	156 pcs monocrystalline Silicon (PERC), Multi BB
Encapsulation	Ultra - clear PID free EVA (Ethylene-Vinyl-Acetate)
Backside	UV protected reflective backsheet
Frame	Silver Anodized Aluminium Alloy
Solar Glass	3.2 mm, High Transmission, AR Coated Tempered Glass
Dimensions	(L) 2465 mm x (W) 1133 mm x (H) 35 mm
Weight	~31.5 Kg
J-box	IP 68 certified, 3 diodes, Split junction box
Series Fuse Rating	25 A
Cable	4 mm², Solar cable 400 mm length or Customized Length
Connectors	MC4 compatible connectors
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

*We have applied for below certifications:

IS 14286:2010/IEC 61215:2005, IS/IEC 61730-1 & 2: 2004

IEC 62804, IEC 61853, IEC 60904

MANAGEMENT SYSTEM CERTIFICATIONS

ISO 9001, ISO 14001, ISO 45001

UTILITY | INDUSTRIAL | AGRICULTURE | RESIDENTIAL

TDS-GS10M156WF-V 0.0

- ##Quantity of modules/container may get changed without prior notice. Confirm with our sales representative before placing order.
- 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 here is for reference purposes only
- Dispose of a product as e-waste after the end of its working life
- 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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