TCL SOLAR

T5 Pro L

Shingled TOPCon

G12+-66P
N-type Bifacial
Double Glass Module

HSM-GLF-NM730~755



755W

Maximum Power Output

24.3% Maximum Efficiency

TIER 1 BloombergNEF

Efficient Power Generation

- Lower internal resistance loss : Multi-cut technology reduces operating current
- Advanced TOPCon platform + high-density packaging: High efficiency and bifaciality
- Environmental adaptability: Excellent low-light response and temperature coefficient

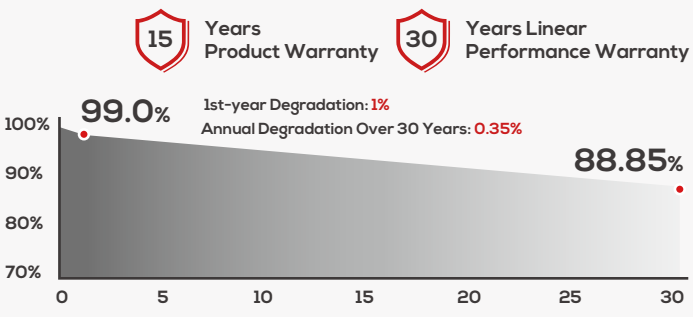
Ultimate Reliability

- Hotspot suppression: Low current design reduces hot spot risk
- High mechanical strength: Optimized back glass openings & Non-Destructive Cutting

Customer Value

- Higher power output: Higher than half-cell modules
- Better ROI: Low BOS, low LCOE, high energy yield, high project returns

Linear Performance Warranty



ISO 9001:2015 ISO 45001:2018 ISO 14001:2015

Version: TCL-HSM-2026-0813-EN

* Please refer to product warranty for details

HSM-GLF-NM730~755 | TOPCon

755W Maximum Power | **24.3%** Maximum Efficiency | **0~+3%** Power Tolerance

Electrical Parameters (STC* & BNPI*)

* STC: Irradiance 1000W/m², Cell Temperature 25°C, AM1.5, Measuring Tolerance: ±3%
* BNPI: Front Irradiance 1000W/m², Back Irradiance 135W/m², Ambient Temperature 25°C, AM1.5, Measuring Tolerance: ±3%

Testing Condition		STC	BNPI	STC	BNPI	STC	BNPI	STC	BNPI	STC	BNPI	STC	BNPI
Maximum Power	Pmax (W)	730	814	735	819	740	825	745	830	750	836	755	842
Open Circuit Voltage	Voc (V)	49.44	49.44	49.59	49.59	49.74	49.74	49.89	49.89	50.04	50.04	50.19	50.19
Short Circuit Current	Isc (A)	18.45	20.57	18.51	20.63	18.57	20.70	18.63	20.77	18.69	20.83	18.75	20.90
Maximum Power Voltage	Vmp (V)	41.84	41.84	42.00	42.00	42.17	42.17	42.34	42.34	42.51	42.51	42.67	42.67
Maximum Power Current	Imp (A)	17.45	19.45	17.50	19.51	17.55	19.56	17.60	19.62	17.65	19.68	17.70	19.73
Module Efficiency	(%)	23.5		23.7		23.8		24.0		24.1		24.3	

Electrical Characteristics with Different Bifacial Gain*

* The additional gain from the back side depends on mounting (structure, height, tilt angle etc.) and albedo of the ground.

Bifacial Gain		5%	10%	5%	10%	5%	10%	5%	10%	5%	10%	5%	10%
Maximum Power	Pmax (W)	767	803	772	809	777	814	782	820	788	825	793	831
Open Circuit Voltage	Voc (V)	49.44	49.44	49.59	49.59	49.74	49.74	49.89	49.89	50.04	50.04	50.19	50.19
Short Circuit Current	Isc (A)	19.37	20.30	19.44	20.36	19.50	20.43	19.56	20.49	19.62	20.56	19.69	20.63
Maximum Power Voltage	Vmp (V)	41.84	41.84	42.00	42.00	42.17	42.17	42.34	42.34	42.51	42.51	42.67	42.67
Maximum Power Current	Imp (A)	18.32	19.20	18.38	19.25	18.43	19.31	18.48	19.36	18.53	19.42	18.59	19.47

Temperature Coefficient

Nominal Module Operating Temperature*	43±2°C
Temperature Coefficient of Isc	+0.046%/°C
Temperature Coefficient of Voc	-0.24%/°C
Temperature Coefficient of Pmax	-0.26%/°C

Operating Parameters

Operating Temperature	-40~+70°C
Maximum System Voltage	1500V DC
Maximum Series Fuse Rating	35A
Power Bifaciality	85±5%
Safety Protection	Class II
Fire Rating	Class C

Mechanical Data

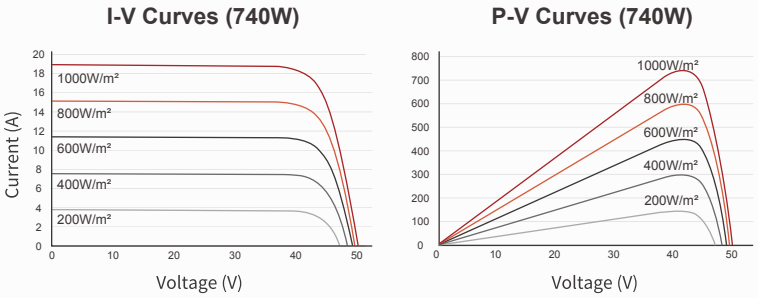
* Please refer to installation manual for details

No.of Cells	198pcs (6×33)
Dimension	2384×1303×33 mm
Weight	37.6kg ±3%
Front Glass	2.0mm, Heat Strengthened, AR coating Glass
Back Glass	2.0mm, Heat Strengthened Glass
Frame	Anodized Aluminium Alloy
J-Box / Diodes	IP68 / three diodes
Cables	4.0mm², +350mm, -280mm (can be customized)
Maximum Static Load	Front: 5400Pa / Back: 2400Pa*

Packaging Configuration

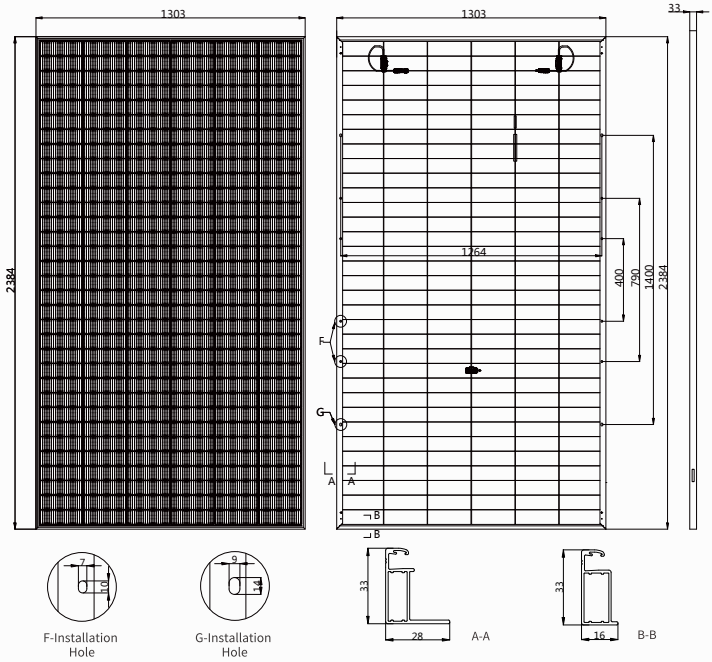
Modules per Pallet	33pcs
Modules per 40'HQ Container	594pcs

Curve Graph



Engineering Drawing

[Unit: mm]



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