

## T5 Pro XL

Solar panel - HSM-NT66-GL

730-755 W | Up to 24.1 % efficiency



**210**  
N-type TOPCon

G12 wafer, larger production area



Up to 85 %  
Power bifaciality



Silver framed  
glass-glass with white tint



Multicut  
shingled

### Higher energy yield

High-density cell package, increasing 2 % cells  
Lower temperature coefficient (Pmax):  $-0.26 \text{ \%}/^{\circ}\text{C}$   
Up to 85 % power bifaciality

### Superior customer value

Integrated technology: TOPCon + Triple-cut  
High efficiency, lower LCOE and BOS costs  
More aesthetic beauty with no-gap design

### Long-term reliability

Triple-cut technology, lower current loss and hot spot risk  
Harsh environment resistance  
Damage-free laser cutting, lower micro-crack risk  
Mechanical load: Front 5400 Pa, Back 2400 Pa

### Comprehensive warranty coverage

15-year Product warranty  
30-year Linear Power coverage  
99.0% minimum warranted output at Year 1  
Maximum annual degradation 0.35 %



Comprehensive Products and System Certificates



IEC 61215 / IEC 61730 ISO 9001:2015 ISO 45001:2018 ISO 14001:2015

Learn more about TCL Solar panels  
[www.tclsolar.com/resources](http://www.tclsolar.com/resources)

Electrical Parameters (STC\* & BNPI\*)

\* STC: Irradiance 1000 W/m<sup>2</sup>, Cell Temperature 25 °C, AM1.5, Measuring Tolerance: ±3 %  
\* BNPI: Back Irradiance 135 W/m<sup>2</sup>, Cell Temperature 25 °C, AM1.5, Measuring Tolerance: ±3 %

Test Conditions		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	(%)	23.3		23.5		23.7		23.8		24.0		24.1	

Electrical Characteristic with Different Bifacial Gain\*

\* The additional gain from the back side depends on the 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	1500 V DC
Maximum Series Fuse Rating	35 A
Power Bifaciality	85±5 %
Safety Protection	Class II
Fire Rating	Class C

Mechanical Data

\* Please refer to installation manual for details

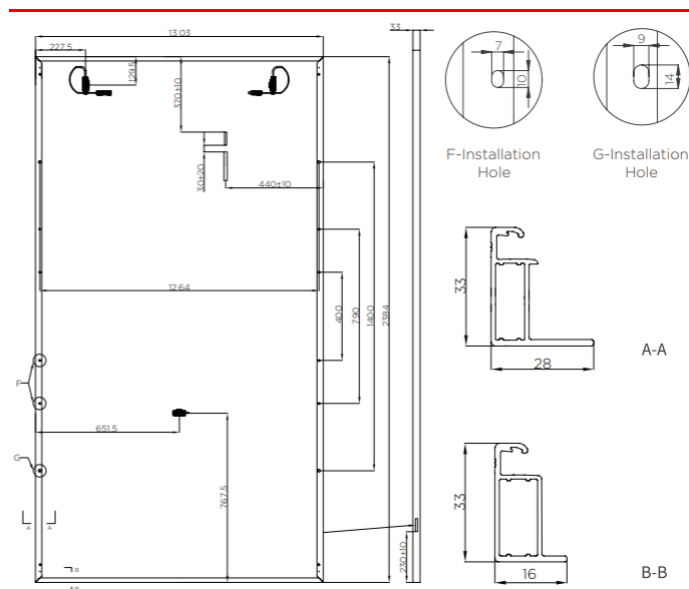
No. of Cells	198 pcs (6×33)
Dimension	2384×1303×33 mm
Weight	37.6 kg ±3 %
Front Glass	2.0 mm, Heat Strengthened, AR coating Glass
Back Glass	2.0 mm, Heat Strengthened Glass
Frame	Anodized Aluminium Alloy
J-Box / Diodes	IP68 / three diodes
Cables / Connector	4.0 mm <sup>2</sup> / +350 mm / -280 mm / EVO2A
Maximum Static Load	Front: 5400 Pa / Back: 2400 Pa*

Packaging Configuration

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

Engineering Drawing

[Unit: mm]



Please read the safety and installation instructions. Visit [www.tclsolar.com/resources](http://www.tclsolar.com/resources). Paper version can be requested through [techsupport.EN@sunpowerglobal.com](mailto:techsupport.EN@sunpowerglobal.com)