



# Tangra<sup>™</sup>L Pro HD 700-720W

N-Type High efficiency Bifacial Dual Glass Module



Bifacial technology allows up to 30% additional energy harvesting from the rear side



30 years lifespan brings 10-30% more power generation compared with conventional P-type modules



The natural lack of LID in the N-type solar cell can increase power generation



Excellent low irradiance performance



Better light trapping and current collection to improve module power output and reliability



Industry-leading, lowest thermal coefficient



Optimized electrical design and lower operating current for reduced hot spot loss and better temperature



Certified to withstand 2400 Pa of wind load and 5400 Pa of snow load



100% triple EL test, which greatly reduces the hidden cracks rate

## WARRANTY INSURANCE



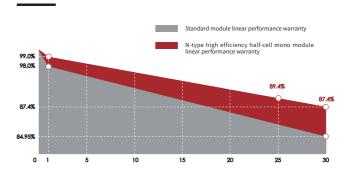






\* Optional performance warranty insurance. Please contact our local sales staff for more information.

# LINEAR PERFORMANCE WARRANTY



Product quality & process guarantee

Linear power guarantee

Annual degradation

## COMPREHENSIVE CERTIFICATES







ISO 9001: Quality Management System

ISO 14001: Environmental Management System Standard

ISO 45001: International Occupational Health and

Safety Assessment System Standard

SA8000: 2014 Social Accountability Management System

\* Different markets have different certification requirements. Also, the products are under rapid innovation. Please confirm the certification status with regional sales representatives.

### **ELECTRICAL CHARACTERISTICS**



Model of modules	TS-BGT66(700)-G12		TS-BGT66(705)-G12		TS-BGT66(710)-G12		TS-BGT66(715)-G12		TS-BGT66(720)-G12	
	STC	NMOT								
Maximum power − P <sub>mp</sub> (W)	700	534	705	538	710	542	715	546	720	550
Open-circuit voltage — V <sub>oc</sub> (V)	48.60	46.00	48.80	46.20	49.00	46.40	49.20	46.60	49.40	46.80
Short-circuit current $-I_{sc}(A)$	18.32	14.76	18.36	14.80	18.40	14.83	18.44	14.86	18.48	14.89
Maximum power voltage − V <sub>mp</sub> (V)	40.50	38.00	40.70	38.20	40.90	38.40	41.10	38.60	41.30	38.80
Maximum power current $-I_{mp}$ (A)	17.29	14.05	17.33	14.08	17.36	14.12	17.39	14.15	17.42	14.18
Module efficiency — η <sub>m</sub> (%)	22.5		22.7		22.9		23.0		23.2	

STC (Standard Testing Conditions): Irradiance 1000W/m², Cell Temperature 25 °C , Spectra at AM1.5 NMOT (Nominal Module Operating Temperature): Irradiance 800W/m², Ambient Temperature 20 °C , Spectra at AM1.5, Wind at 1m/s

## **ELECTRICAL CHARACTERISTICS WITH DIFFERENT POWER BIN (REFERENCE TO 13.5% IRRADIANCE RATIO)**

Peak power (P <sub>max</sub> ) (W)	776	782	787	792	797
Open circuit voltage $(V_{oc})$ $(V)$	48.60	48.80	49.00	49.20	49.40
Short circuit current (I <sub>sc</sub> ) (A)	20.30	20.34	20.39	20.43	20.48
MPP voltage — V <sub>mp</sub> (V)	40.50	40.70	40.90	41.10	41.30
$MPP current - I_{mp} (A)$	19.16	19.20	19.23	19.27	19.30

#### STRUCTURAL CHARACTERISTICS

Module dimensions (L*W*H)	2384 x 1303 x 35 mm		
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Weight	37.8 kg		
Cell	132 cells,N-type monocrystalline		
Front glass	2.0mm, anti-reflection coating		
Back glass	2.0mm, heat-strenghtened glass		
Frame	Anodized aluminum alloy (Silver/Black)		
Junction box	IP68, 3 bypass diodes		
Output wire	4.0 mm <sup>2</sup>		
Wire length	300mm/1200mm/customized length		
Connector	MC4 Compatible		
Packaging specification	31pcs/pallet; 558 pcs/40'HQ		

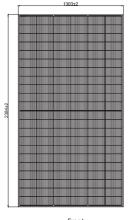
#### **OPERATING PARAMETERS**

Power tolerance (W)	(0,+5)		
Maximum system voltage (V)	1500		
Maximum rated fuse current (A)	35		
Current operating temperature (°C)	-40~+85 °C		
Mechanical load	5400 Pa */ 2400 Pa ⊗		

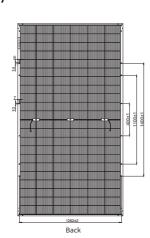
#### **TEMPERATURE PERFORMANCE RATINGS**

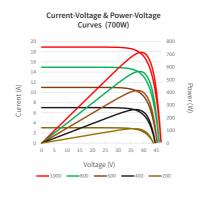
Temperature coefficient (P <sub>max</sub> )	-0.30 %/°C
Temperature coefficient ( $V_{oc}$ )	-0.28 %/°C
Temperature coefficient ( $I_{sc}$ )	+0.04 %/°C
Nominal Module Operating Temperature	43±2℃

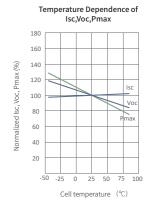
### **MODULE DIMENSIONS (MM)**













Scan the QR code to get more information

Side

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