



Tangra[™]L HD 600-620W

N-Type High efficiency Monofacial Single Glass Module



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



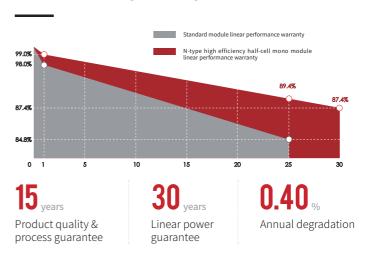






* Optional performance warranty insurance. Please contact our local sales staff for more information.

LINEAR PERFORMANCE WARRANTY



COMPREHENSIVE CERTIFICATES







ISO 9001: Quality Management System

ISO 14001: Environmental Management System Standard

ISO 45001: International Occupational Health and

Safety Assessment System Standard

2014 Social Accountability Management System SA8000:

* 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-SWT66(600)-G11		TS-SWT66(605)-G11		TS-SWT66(610)-G11		TS-SWT66(615)-G11		TS-SWT66(620)-G11	
	STC	NMOT								
$\operatorname{Maximum\ power} - \operatorname{P}_{\operatorname{mp}}(\operatorname{W})$	600	459	605	462	610	466	615	470	620	474
Open-circuit voltage — V _{oc} (V)	48.40	46.00	48.70	46.20	49.00	46.50	49.30	46.80	49.60	47.10
Short-circuit current $-I_{sc}(A)$	15.80	12.73	15.83	12.75	15.86	12.78	15.89	12.81	15.92	12.84
Maximum power voltage − V _{mp} (V)	40.30	37.90	40.50	38.10	40.80	38.30	41.00	38.60	41.22	38.88
${\rm Maximum\ power\ current} - {\rm I}_{\rm mp}{\rm (A)}$	14.91	12.11	14.94	12.13	14.96	12.16	14.99	12.18	15.03	12.20
Module efficiency $-\eta_m$ (%)	22	2.2	22	2.4	22	2.6	22	2.8	23	3.0
Power tolerance (W)	(0,+5)									
Maximum system voltage (V)	1500									
Maximum rated fuse current (A)	25									
Current operating temperature (°C)	-40~+85 °C									

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

STRUCTURAL CHARACTERISTICS

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Module dimensions (L*W*H)	2382x 1134 x 30 mm				
Weight	28.5 kg				
Number of cells	132 cells				
Cell	N-type monocrystalline				
Glass	Tempered, 3.2 mm AR, high transmittance, low iron				
Frame	Anodized aluminum alloy (Silver/Black)				
Junction box	IP68, 3 bypass diodes				
Output wire	4.0 mm², wire length: 300mm/1200mm/customized length				
Connector	MC4 Compatible				
Mechanical load	Snow load: 5400 Pa ♦ / Wind load: 2400 Pa ⊗				

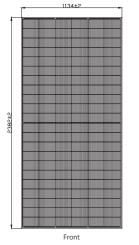
TEMPERATURE PERFORMANCE RATINGS

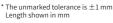
Temperature coefficient (P _{max})	-0.30%/°C		
Temperature coefficient (V _{oc})	-0.28 %/°C		
Temperature coefficient (I_{sc})	+0.04 %/°C		
Nominal Module Operating Temperature	43±2°C		

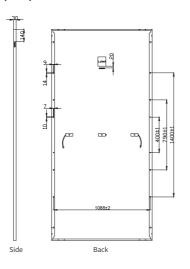
PACKAGING CONFIGURATION

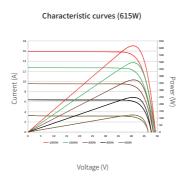
Container	40HQ
Quantity/pallet	36
Pallets/container	20
Quantity/container	720

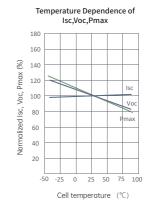
MODULE DIMENSIONS (MM)











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