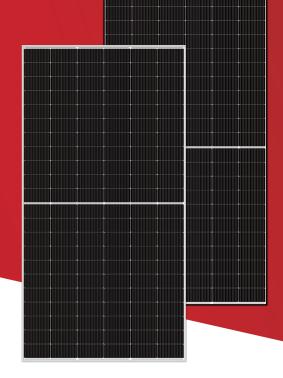


Tangra[™]**MHD** 545-565W

N-type High Density Half-Cell Mono Module





30-year lifespan delivers 10-30% more power 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

PERFORMANCE INSURANCE





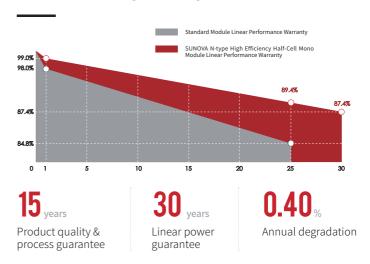






^{*} Optional performance warranty insurance. Please contact our local sales representatives for more information.

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 SA 8000:

Make it happen! www.sunova-solar.com

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



Model of modules SS-545-66MDH-G10(T) SS-550-66MDH-G10(T) SS-555-66MDH-G10(T) SS-560-66MDH-G10(T) SS-565-66MDH-G10(T) STC NOCT STC NOCT STC NOCT STC NOCT STC NOCT Maximum power $-P_{mp}(W)$ 411 550 414 422 565 426 545 555 418 560 45.16 45.33 45.49 48.54 45.82 Open-circuit voltage $-V_{oc}(V)$ 47.84 48.02 48.19 48.36 45.65 Short-circuit current $-I_{sc}(A)$ 14.41 11.64 14.47 11.69 14.53 11.74 14.58 11.78 14.63 11.82 Maximum power voltage − V_{mp} (V) 40.39 37.81 40.57 37.98 40.75 38.15 40.93 38.32 41.11 38.48 Maximum power current $-I_{mp}$ (A) 10.86 13.56 10.91 10.96 13.68 11.01 13 74 11.06 13 49 13.62 21.95 $Module\ efficiency - \eta_m\ (\%)$ 22.15 22.35 22.55 22.75 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 NOCT (Nominal Operating Cell Temperature): Irradiance 800W/m², Ambient Temperature 20°C, Spectra at AM1.5, Wind at 1m/s

STRUCTURAL CHARACTERISTICS

Module dimensions (L*W*H)	2190 x 1134 x 30mm	
Weight	26.7kg	
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	
Connector	MC4 Compatible	
Mechanical load	Snow load: 5400 Pa / Wind load: 2400 Pa	

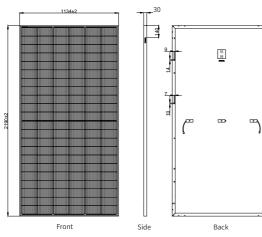
TEMPERFORMANCE RATINGS

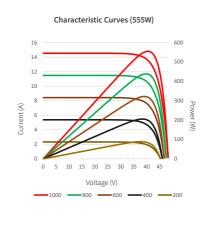
Temperature coefficient (P _{max})	-0.30 %/°C
Temperature coefficient (V _{oc})	-0.28 %/°C
Temperature coefficient (I _{sc})	+0.04 %/°C
Nominal operating cell temperature	43±2 ℃

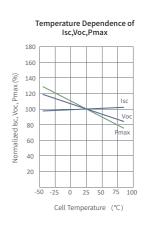
PACKAGING CONFIGURATION

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

MODULE DIMENSIONS (MM)







The unmarked tolerance is ± 1 mm Length shown in mm





Web: www.sunova-solar.com

E-mail: info@sunova-solar.com

**The technical parameters contained in this datasheet may deviate slightly, Sunova Solar does not guarantee that they are completely accurate. Varying optional data could be for different regions or prices. Please contact commercial people for confirmation. Due to continuous innovation, research and development and product improvement, Sunova Solar reserves the right to adjust the information in this datasheet at any time without prior notice. The customer should obtain the latest version of datasheet when signing the contract and make it an integral part of the binding contracts isgned by both parts. The Chinese (or other language) translation files of this datasheet are for reference only. If there is any inconsistency between the English version and the Chinese version (or other language versions), the English version shall prevail.

Make it happen! SD202312001EN