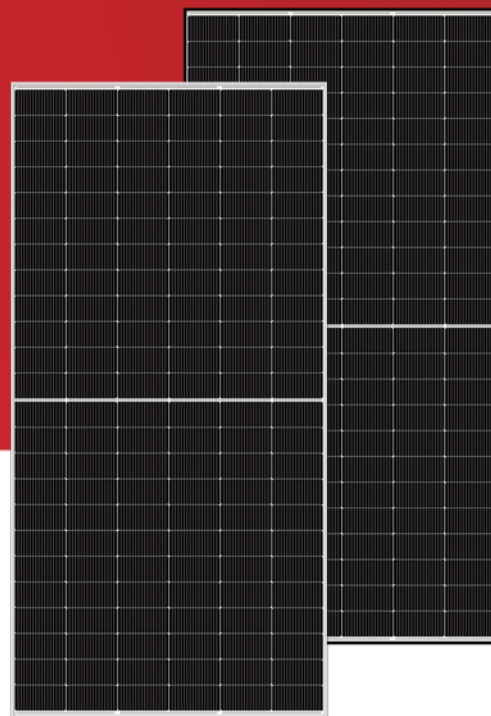




Tangra™ M

565– 585W

N-type high efficiency 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



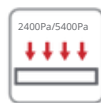
Better light trapping and current collection to improve module power output and reliability



Industry-leading, lowest thermal coefficient



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

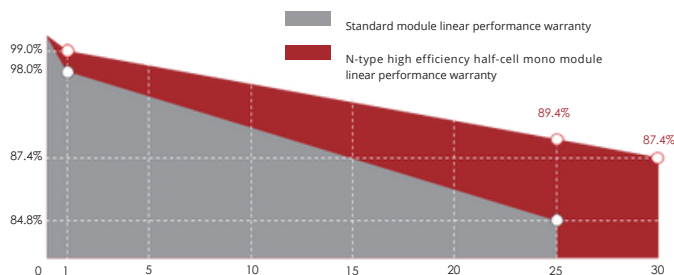


Certified to withstand 2400 Pa of wind load and 5400 Pa of snow load



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

LINEAR PERFORMANCE WARRANTY



15

years

Product quality & process guarantee

30

years

Linear power guarantee

0.40

%

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

WARRANTY INSURANCE



Munich RE



中国平安
PING AN
P & C INSURANCE CO CN SZH

ELECTRICAL CHARACTERISTICS

Model of modules	SS-565-72MDH(T)	SS-570-72MDH(T)	SS-575-72MDH(T)		SS-580-72MDH(T)	SS-585-72MDH(T)
	STC NOCT	STC NOCT	STC	NOCT	STC NOCT	STC NOCT
Maximum power — P _{mp} (W)	565 421	570 425	575	428	580 432	585 436
Open-circuit voltage — V _{oc} (V)	51.45 48.57	51.60 48.71	51.75	48.85	51.90 48.99	52.09 49.17
Short-circuit current — I _{sc} (A)	13.46 10.87	13.51 10.92	13.56	10.96	13.61 11.00	13.68 11.05
Maximum power voltage — V _{mp} (V)	44.10 41.28	44.23 41.41	44.35	41.52	44.48 41.64	44.61 41.76
Maximum power current — I _{mp} (A)	12.81 10.19	12.89 10.26	12.96	10.31	13.04 10.38	13.12 10.44
Module efficiency — η _m (%)	21.9	22.1	22.3		22.5	22.6
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)	2278 x 1134 x 30 mm
Weight	27.2 kg
Number of cells	144 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 mm ² , wire length: 300mm/1200mm/customized
Connector	MC4 Compatible
	Snow load: 5400 Pa / Wind load: 2400 Pa

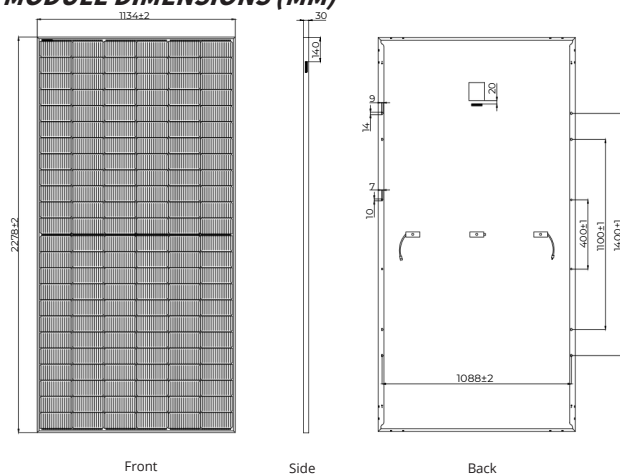
Mechanical load

TEMPERATURE PERFORMANCE RATINGS

TANGRA 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 °C

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

