www.jinkosolar.com

JinKO Solar
Building Your Trust in Solar

TR 78M
560-580 Watt
Mono-facial

Tiling Ribbon (TR) Technology

Positive power tolerance of 0~+3%

(Draft)

TiGER Pro

KEY FEATURES

TR technology + Half Cell
TR technology with Half cell aims to eliminate the cell gap to increase module efficiency (mono-facial up to 21.21%)

MBB instead of 5BB
MBB technology decreases the distance between bus bars and finger grid line which is benefit to power increase.

Higher lifetime Power Yield
2% first year degradation,
0.55% linear degradation

Best Warranty
12 year product warranty,
25 year linear power warranty

Strengthened Mechanical Support
5400 Pa snow load, 2400 Pa wind load

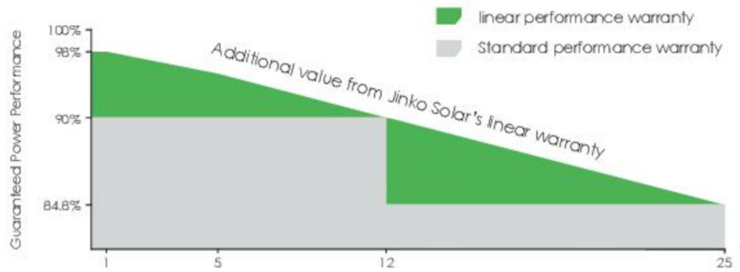
PV CYCLE · TÜVRheinland CERTIFIED · CE · POSITIVE QUALITY™ Continuous Quality Assurance · CLEAN ENERGY COUNCIL MEMBER

ISO9001:2015, ISO14001:2015, ISO45001:2018 certified factory

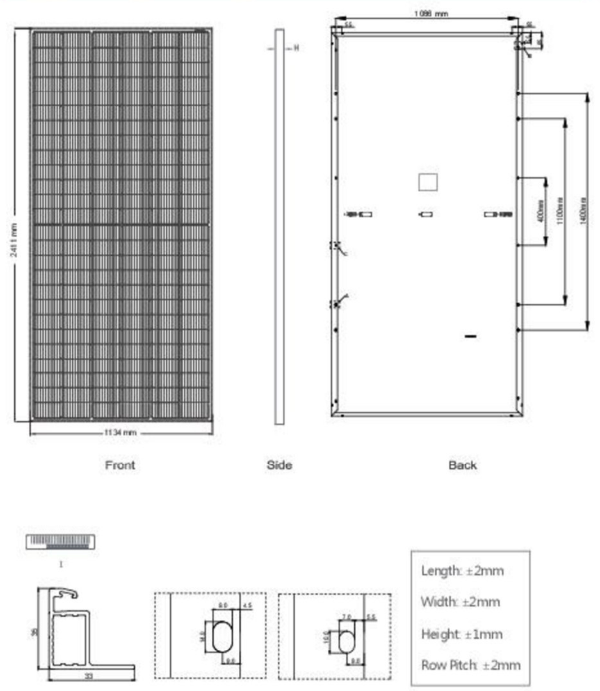
IEC61215, IEC61730 certified product

LINEAR PERFORMANCE WARRANTY

12 Year Product Warranty • 25 Year Linear Power Warranty
0.55% Annual Degradation Over 25 years



Engineering Drawings

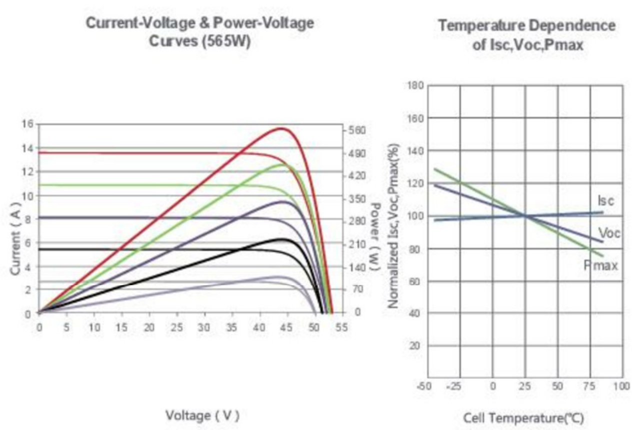


Packaging Configuration

(Two pallets = One stack)

31pcs/pallets, 62pcs/stack, 496pcs/ 40'HQ Container

Electrical Performance & Temperature Dependence



Mechanical Characteristics

Cell Type	P type Mono-crystalline
No.of cells	156 (2×78)
Dimensions	2411×1134×35mm (94.92×44.65×1.38 inch)
Weight	30.93 kg (68.2 lbs)
Front Glass	3.2mm,Anti-Reflection Coating, High Transmission, Low Iron, Tempered Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP68 Rated
Output Cables	TUV 1×4.0mm² (+): 290mm , (-): 145 mm or Customized Length

SPECIFICATIONS

Module Type	JKM560M-7RL4-V		JKM565M-7RL4-V		JKM570M-7RL4-V		JKM575M-7RL4-V		JKM580M-7RL4-V	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	560Wp	417Wp	565Wp	420Wp	570Wp	424Wp	575Wp	428Wp	580Wp	432Wp
Maximum Power Voltage (Vmp)	44.31V	40.63V	44.43V	40.72V	44.55V	40.80V	44.67V	40.89V	44.78V	40.97V
Maximum Power Current (Imp)	12.64A	10.25A	12.72A	10.32A	12.80A	10.39A	12.88A	10.46A	12.96A	10.53A
Open-circuit Voltage (Voc)	52.90V	49.93V	53.00V	50.03V	53.10V	50.12V	53.20V	50.21V	53.30V	50.31V
Short-circuit Current (Isc)	13.50A	10.90A	13.58A	10.97A	13.66A	11.03A	13.74A	11.10A	13.82A	11.16A
Module Efficiency STC (%)	20.48%		20.67%		20.85%		21.03%		21.21%	
Operating Temperature(℃)	-40℃~+85℃									
Maximum system voltage	1500VDC (IEC)									
Maximum series fuse rating	25A									
Power tolerance	0~+3%									
Temperature coefficients of Pmax	-0.35%/℃									
Temperature coefficients of Voc	-0.28%/℃									
Temperature coefficients of Isc	0.048%/℃									
Nominal operating cell temperature (NOCT)	45±2℃									

*STC: Irradiance 1000W/m² · Cell Temperature 25°C · AM=1.5
NOCT: Irradiance 800W/m² · Ambient Temperature 20°C · AM=1.5 · Wind Speed 1m/s
* Power measurement tolerance: ± 3%

TR JKM560-580M-7RL4-V-D5-EN

REGIONE BASILICATA

COMUNE DI FERRANDINA (MT)

Progetto per la costruzione e l'esercizio di un impianto Agrivoltaico, con sistema integrato
per la coltivazione di piante officinali e la produzione di energia elettrica, delle opere
e delle infrastrutture connesse, denominato CISTERNA 2, da realizzarsi in agro
del comune di Ferrandina, di potenza pari a 19.981,92 Kwp

PROGETTO DEFINITIVO

Elaborato:
SCHEMI FUNZIONALI DEI SINGOLI PANNELLI

Tavola:
CIS2-PDEF-TAV-046

Data: Ottobre 2021
Scala:

Rev	Data	Descrizione	Eseguito	Verificato	Approvato

Progettazione:

Firmato digitalmente da
Paola Padulosi
SerialNumber = TINIT-PDLPLA77P45G942F
C = IT
Data e ora della firma: 26/11/2021 11:13:18

Firmato digitalmente da
GIUSEPPE ANTONIO CRISPINO
CN = CRISPINO GIUSEPPE ANTONIO
C = IT

Firmato digitalmente da
Gerardo Cannella
CN = Cannella Gerardo
O = Collegio dei Periti Industriali di Potenza
C = IT

D'ANGELO CARMELO
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RSA/2048 bits

Firmato digitalmente da
BIAGIO DI LASCIO
CN = DI LASCIO BIAGIO
SerialNumber = IT:DLSBGI73B05E409R
e-mail = dilasciobiagio@gmail.com
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Visti:

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