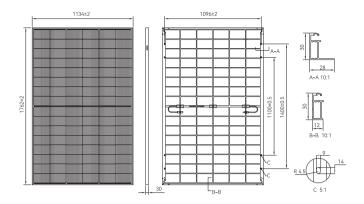


DRAWINGS (Unit: mm)



ELECTRICAL CHARACTERISTICS (STC)

435	440	445	450	455
35.15	35.35	35.55	35.75	35.95
15.86	15.89	15.92	15.95	15.98
29.42	29.67	29.93	30.19	30.44
14.79	14.83	14.87	14.91	14.95
21.8	22.0	22.3	22.5	22.8
	35.15 15.86 29.42 14.79	35.15 35.35 15.86 15.89 29.42 29.67 14.79 14.83	35.15 35.35 35.55 15.86 15.89 15.92 29.42 29.67 29.93 14.79 14.83 14.87	35.15 35.35 35.55 35.75 15.86 15.89 15.92 15.95 29.42 29.67 29.93 30.19 14.79 14.83 14.87 14.91

* STC: Irradiance 1000W/m², Cell Temperature 25°C, AM=1.5, Power measurement tolerance: $\pm 3\%$

ELECTRICAL CHARACTERISTICS (BNPI)

Maximum Power: Pmax [W]	480.4	485.7	491.5	496.9	502.3
Open Circuit Voltage: Voc [V]	35.15	35.35	35.55	35.75	35.95
Short Circuit Current: Isc [A]	17.51	17.54	17.57	17.61	17.64
Voltage at Maximum Power: Vmp [V]	29.42	29.67	29.93	30.19	30.44
Current at Maximum Power: Imp [A]	16.33	16.37	16.42	16.46	16.50

^{*} BNPI: Front side Irradiance 1000W/m², Back side irradiance 135W/m², Cell Temperature=25°C, AM=1.5, Power measurement tolerance: $\pm 3\%$

ELECTRICAL CHARACTERISTICS (NMOT)

Maximum Power: Pmax [W]	329	332	336	340	344
Open Circuit Voltage: Voc [V]	33.46	33.65	33.84	34.03	34.22
Short Circuit Current: Isc [A]	12.80	12.83	12.85	12.88	12.90
Voltage at Maximum Power: Vmp [V]	27.56	27.74	27.98	28.24	28.51
Current at Maximum Power: Imp [A]	11.94	11.97	12.01	12.04	12.07

^{*} NMOT: Irradiance 800W/m², Ambient Temperature 20°C, AM=1.5, Wind Speed 1m/s

TEMPERATURE RATING

Temperature Coefficient of Pmax	-0.28%/℃
Temperature Coefficient of Voc	-0.24%/°C
Temperature Coefficient of Isc	+0.046%/°C
NMOT	45±2℃

OPERATING PARAMETERS

Operating Temperature	-40°C~+70°C
Maximum System Voltage	1500V DC
Maximum Series Fuse Rating	30A
Power Selection Tolerance	0~+3%
Bifaciality coefficient of Pmax	80±10%
Bifaciality coefficient of Voc	98±5%
Bifaciality coefficient of Isc	80±10%
Fire Class Rating	Class C

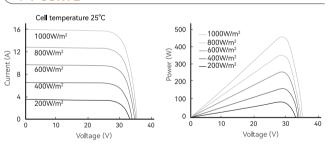
HECHANICAL PARAMETERS

Cell Type	TNC (N Type Monocrystalline Cell)
Cell Orientation	96[6×16]
Dimensions	1762±2×1134±2×30mm
Weight	20.9kg
Front Glass	1.6mm AR coated heat strengthened glass
Rear Glass	1.6mm heat strengthened glass
Frame	Anodized aluminum alloy black frame
Junction Box	IP68, 3diodes
Cable	4.0mm ²
Cable length	+1200mm, -1200mm, length can be customized
Connector	TW-PVCON-01(Tongwei Solar)
	PV-KST4-EVO2/xy_UR, PV-KBT4-EVO2/xy_UR(Stäubli)
	PV-KST4-EVO2A/xy, PV-KBT4-EVO2A/xy(Stäubli)
	PV-ZH202B(Zhonghuan), PV-JK03M2/xy(Jinko)
Wind/Snow load	2400Pa/5400Pa
Per pallet	36pcs
Packaging	936pcs per 40'HC

WARRANTY



□I-V CURVE



(A) CERTIFICATIONS

Quality Management System and Product Certification

ISO 9001: 2015 / Quality management systems

ISO 14001: 2015 / Environmental management systems

ISO 45001: 2018 / Occupational health and safety management systems

ISO 50001: 2018 / Energy management systems

IEC 62941: 2019 / Quality system for PV module manufacturing

IEC 61215(2021) / IEC 61730(2023)















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