Tiger Neo N-type
78HL4-BDV
615-635 Watt
BIFACIAL MODULE WITH DUAL GLASS
N-Type

Positive power tolerance of 0~+3%

IEC61215(2016), IEC61730(2016)
ISO9001:2015: Quality Management System
ISO14001:2015: Environment Management System
ISO45001:2018
Occupational health and safety management systems

Key Features

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

PID Resistance
Excellent Anti-PID performance guarantee via optimized mass-production process and materials control.

Higher Power Output
Module power increases 5-25% generally, bringing significantly lower LCOE and higher IRR.

Hot 2.0 Technology
The N-type module with Hot 2.0 technology has better reliability and lower LID/LETID.

Enhanced Mechanical Load
Certified to withstand: wind load (2400 Pascal) and snow load (5400 Pascal).

LINEAR PERFORMANCE WARRANTY

12 Year Product Warranty
30 Year Linear Power Warranty
0.40% Annual Degradation Over 30 years
PACKAGING CONFIGURATION

( Two pallets = One stack )
36pcs/pallets, 72pcs/stack, 576pcs/ 40'HQ Container

MECHANICAL CHARACTERISTICS

Cell Type
N type Mono-crystalline

No. of cells
156 (2x78)

Dimensions
2465x1134x30mm (97.05x44.65x1.18 inch)

Weight
34kg (74.96lbs)

Front Glass
2.0mm, Anti-Reflection Coating

Back Glass
2.0mm, Heat Strengthened Glass

Frame
Anodized Aluminum Alloy

Junction Box
IP68 Rated

Output Cables
 TJUV 1x4.0mm (+): 400mm , (-): 200mm or Customized Length

ELECTRICAL PERFORMANCE & TEMPERATURE DEPENDENCE

Current-Voltage & Power-Voltage Curves (615W)

Temperature Dependence of Isc, Voc, Pmax

SPECIFICATIONS

Module Type
JKM615N-78HL4-BDV  JKM620N-78HL4-BDV  JKM625N-78HL4-BDV  JKM630N-78HL4-BDV  JKM635N-78HL4-BDV

Maximum Power (Pmax)
STC NOCT STC NOCT STC NOCT STC NOCT STC NOCT
615W  463W  620W  467W  625W  471W  630W  475W  635W  479W

Maximum Power Voltage (Vmp)
47.70V  44.93V  47.54V  44.69V  47.70V  44.93V  47.54V  44.69V  47.70V  44.93V

Maximum Power Current (Imp)
13.03A  10.44A  13.09A  10.49A  13.15A  10.56A  13.21A  10.59A  13.27A  10.64A

Open-circuit Voltage (Voc)
56.95V  42.92V  56.82V  42.82V  56.95V  42.92V  57.08V  43.02V  57.21V  43.11V

Short-circuit Current (Isc)
13.68A  10.31A  13.74A  10.35A  13.80A  10.40A  13.86A  10.44A  13.92A  10.49A

Module Efficiency STC (%) 
STC NOCT STC NOCT STC NOCT STC NOCT
22.00%  22.18%  22.34%  22.54%  22.72%

Operating Temperature(°C)
-40°C~+85°C

Maximum system voltage
1500VDC (IEC)

Maximum series fuse rating
30A

Power tolerance
0~+3%

Temperature coefficients of Pmax
-0.29%/°C

Temperature coefficients of Voc
-0.25%/°C

Temperature coefficients of Isc
0.045%/°C

Nominal operating cell temperature (NOCT)
45±2°C

Refer. Bifacial Factor
80±5%

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Specifications included in this datasheet are subject to change without notice.

JKM615-635N-78HL4-BDV-F7-EN