

Tiger Neo N-type 78HL4-BDV 605-625 Watt

듀얼글래스 양면모듈

N-Type

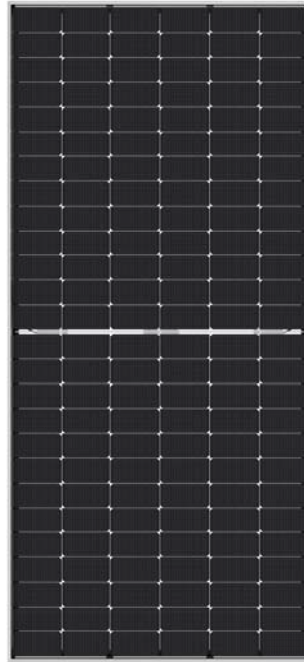
전력공차 0~+3%

IEC61215(2016), IEC61730(2016)

ISO9001:2015: 품질경영시스템 인증

ISO14001:2015: 환경경영시스템 인증

ISO45001:2018: 안전보건경영시스템 인증



Key Features



SMBB Technology

Super Multi Bar 기술로 모듈 출력 증가 및 신뢰성 제고



Hot 2.0 Technology

Hot 2.0 기술이 적용된 N-type 모듈로 신뢰성 제고, LID/LETID 손실 저감



PID Resistance

최적화된 대량 생산 공정 및 자재관리를 통해 뛰어난 출력 손실 저감 효과 구현



Enhanced Mechanical Load

내구성 인증: 풍화중 2400파스칼, 적설하중 5400파스칼

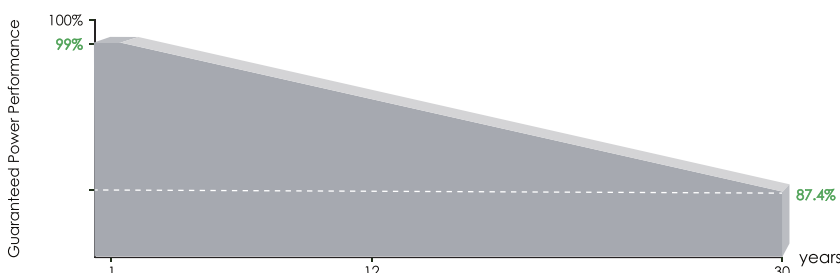


Higher Power Output

모듈 출력이 5-25% 증가하여 LCOE는 낮아지고 IRR 향상



LINEAR PERFORMANCE WARRANTY

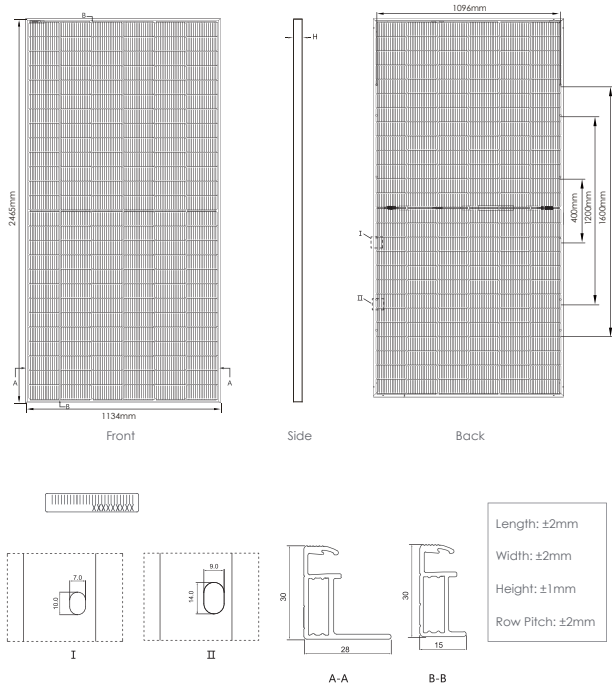


12년 제품보증

30년 출력보증

0.40% 연간 출력 감소율 30년 보증

Engineering Drawings

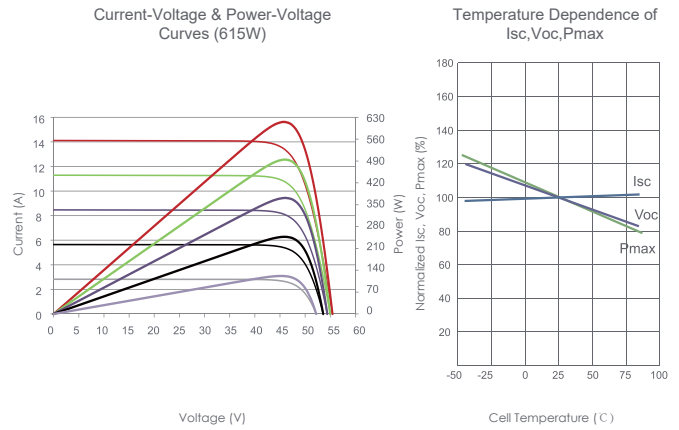


Packaging Configuration

(Two pallets = One stack)

36pcs/pallets, 72pcs/stack, 576pcs/ 40'HQ Container

Electrical Performance & Temperature Dependence



Mechanical Characteristics

Cell Type	N type Mono-crystalline
No. of cells	156 (2×78)
Dimensions	2465×1134×30mm (97.05×44.65×1.18 inch)
Weight	34.6kg (76.38 lbs)
Front Glass	2.0mm, Anti-Reflection Coating
Back Glass	2.0mm, Heat Strengthened Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP68 Rated
Output Cables	TUV 1×4.0mm ² (+): 400mm , (-): 200mm or Customized Length

SPECIFICATIONS

Module Type	JKM605N-78HL4-BDV		JKM610N-78HL4-BDV		JKM615N-78HL4-BDV		JKM620N-78HL4-BDV		JKM625N-78HL4-BDV	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	605Wp	455Wp	610Wp	459Wp	615Wp	462Wp	620Wp	466Wp	625Wp	470Wp
Maximum Power Voltage (Vmp)	45.42V	42.23V	45.60V	42.35V	45.77V	42.46V	45.93V	42.57V	46.10V	42.68V
Maximum Power Current (Imp)	13.32A	10.77A	13.38A	10.83A	13.44A	10.89A	13.50A	10.95A	13.56A	11.01A
Open-circuit Voltage (Voc)	55.17V	52.41V	55.31V	52.54V	55.44V	52.66V	55.58V	52.79V	55.72V	52.93V
Short-circuit Current (Isc)	13.95A	11.26A	14.03A	11.33A	14.11A	11.39A	14.19A	11.46A	14.27A	11.52A
Module Efficiency STC (%)	21.64%		21.82%		22.00%		22.18%		22.36%	
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%									

BIFACIAL OUTPUT-REAR SIDE POWER GAIN

		JKM605N-78HL4-BDV		JKM610N-78HL4-BDV		JKM615N-78HL4-BDV		JKM620N-78HL4-BDV		JKM625N-78HL4-BDV	
		Maximum Power (Pmax)	Module Efficiency STC (%)	Maximum Power (Pmax)	Module Efficiency STC (%)	Maximum Power (Pmax)	Module Efficiency STC (%)	Maximum Power (Pmax)	Module Efficiency STC (%)	Maximum Power (Pmax)	Module Efficiency STC (%)
5%	Maximum Power (Pmax)	635Wp	22.73%	641Wp	22.91%	646Wp	23.10%	651Wp	23.29%	656Wp	23.48%
	Module Efficiency STC (%)										
15%	Maximum Power (Pmax)	696Wp	24.89%	702Wp	25.10%	707Wp	25.30%	713Wp	25.51%	719Wp	25.71%
	Module Efficiency STC (%)										
25%	Maximum Power (Pmax)	756Wp	27.05%	763Wp	27.28%	769Wp	27.50%	775Wp	27.73%	781Wp	27.95%
	Module Efficiency STC (%)										

*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