REGIONE BASILICATA

COMUNI DI VENOSA, BARILE E RAPOLLA

IMPIANTO FOTOVOLTAICO

PROGETTO REALIZZAZIONE IMPIANTO FOTOVOLTAICO E RELATIVE OPERE DI CONNESSIONE IN AGRO DI VENOSA, BARILE E RAPOLLA - PZ

PROGETTO DEFINITIVO

POTENZA NOMINALE 19,995 MW

N° ALLEGATO
A.12.b.3

Schema funzionale pannelli

COMMITTENTE
G11 S.R.L.
VIA MELCHIORRE GIOIA N° 8
20124 MILANO (MI)
P.IVA 02136320765

Il Tecnico
Ing. Martino Antonio Giuseppe

DATA: Ottobre 2023

Rev n° 1

www.jinkosolar.com

JinKO Solar
Building Your Trust in Solar

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

BIFACIAL MODULE WITH DUAL GLASS

N-Type

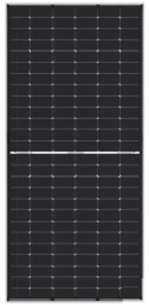
Positive power tolerance of 0~+3%

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.

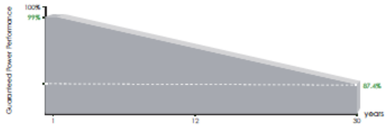
Hot 2.0 Technology
The N-type module with Hot 2.0 technology has better reliability and lower LID/LETID.

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

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

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

LINEAR PERFORMANCE WARRANTY

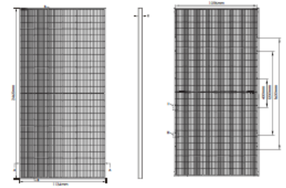


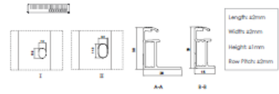
12 Year Product Warranty

30 Year Linear Power Warranty

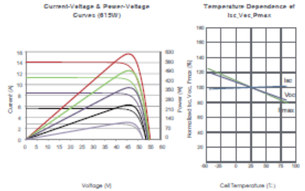
0.40% Annual Degradation Over 30 years

Engineering Drawings





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 1×4.0mm² (+): 400mm , (-): 200mm or Customized Length

Packaging Configuration

(Two pallets = One stack)

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

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-REARSIDE POWER GAIN

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

*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

JKM605-625N-78HL4-BDV-F4-EN