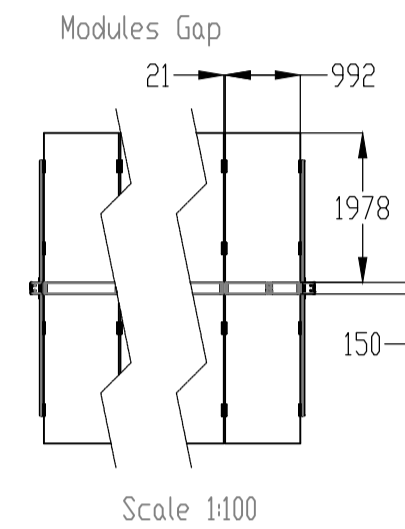
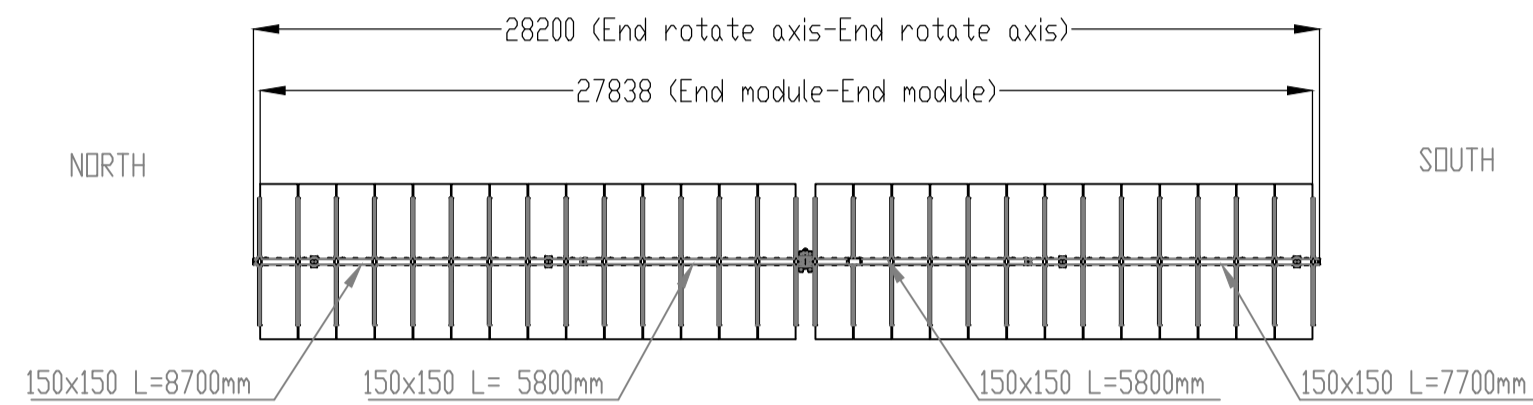


Note*

Simple Support - Standard Embedment Length
60 Degrees
1.3m (1336mm)
1.5m (1563mm)
1.7m (1763mm)
2m (2032mm)
2.5m (2530mm)
2.8m (2835mm)
3m (3089mm)



SAFETRACK HORIZON - DETTAGLI COSTRUTTIVI scala 1: 50

STUDIO ALCHEMIST
Ing. Stefano Floris - Arch. Cinzia Nieddu

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COMUNE DI SERRI

OGGETTO
REALIZZAZIONE IMPIANTO AGRIVOLTAICO DA 39,99 MW - TIPO TRACKER AD INSEGUIMENTO MONOASSIALE E IMPIANTO DI ACCUMULO (BESS) DA 15MW, DENOMINATO SERRI

COMMITTENTE
ENERGYSERRI1 SRL
Via Semplicio Spano 10 - 07026 Olbia (SS)

PROGETTO DEFINITIVO

ELABORATO	NUMERO ELABORATO	AUTORE
DETTAGLI COSTRUTTIVI - STRUTTURA FOTOVOLTAICA	AU 09	Ing. Stefano Floris
	SCALA: VARIE	
	DATA: LUGLIO 2023	

REV.	DATA	DESCRIZIONE	REDATTO	CONTROLLATO	APPROVATO
3		Terza emissione			
2		Seconda emissione			
1		Prima emissione	Arch. Marco Cocco Norfo	Arch. Chiara Martis	Ing. Stefano Floris

CODICE COMMESSA	NOME FILE	FASE PROGETTUALE	CATEGORIA	REV.
		DEF	IMPIANTI	00

<p>STUDIO ALCHEMIST: Ing. Stefano Floris Arch. Cinzia Nieddu</p> <p>COLLABORATORI: Arch. Chiara Martis Arch. Valentina Madeddu Arch. Michele Melis Arch. Martina Sias Arch. Luigi Meru Arch. Federico Serventi Arch. Marco Cocco Norfo Geol. Mario Strinna</p>	<p>PROGETTISTA - TIMBRO E FIRMA</p>	<p>PROGETTISTA - TIMBRO E FIRMA</p>
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www.jinkosolar.com

Jinko Solar
Building Your Trust in Solar

Tiger Neo N-type 72HL4-BDV 550-570 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
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.

CERTIFIED
CE, PVSOLAR, CLEAN SOURCE MEMBER, POSITIVE QUALITY

Engineering Drawings

Electrical Performance & Temperature Dependence

Mechanical Characteristics

Cell Type	N-type Mono-crystalline
No. of cells	144 (2x72)
Dimensions	2278*1134*30mm (89.69*44.65*1.18 inch)
Weight	32 kg (70.55 lbs)
Front Glass	2.0mm, Anti-Reflection Coating
Back Glass	2.0mm, Heat Strengthened Glass
Frame	Anodized Aluminum Alloy
Junction Box	IP68 Rated
Output Cables	TUV 1x4.0mm (+): 400mm, (-): 200mm or Customized Length

Packaging Configuration

(Two pallets = One stack)
36pcs/pallets, 72pcs/stack, 720pcs/40HQ Container

SPECIFICATIONS

Module Type	JKM550N-72HL4-BDV		JKM555N-72HL4-BDV		JKM560N-72HL4-BDV		JKM565N-72HL4-BDV		JKM570N-72HL4-BDV	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	350Wp	414Wp	555Wp	417Wp	560Wp	421Wp	565Wp	425Wp	570Wp	429Wp
Maximum Power Voltage (Vmp)	41.58V	39.13V	41.77V	39.26V	41.95V	39.39V	42.14V	39.52V	42.29V	39.65V
Maximum Power Current (Imp)	13.23A	10.57A	13.29A	10.63A	13.35A	10.69A	13.41A	10.75A	13.48A	10.81A
Open-circuit Voltage (Voc)	50.27V	47.75V	50.47V	47.94V	50.67V	48.13V	50.87V	48.32V	51.07V	48.51V
Short-circuit Current (Isc)	14.01A	11.31A	14.07A	11.36A	14.13A	11.41A	14.19A	11.46A	14.25A	11.50A
Module Efficiency STC (%)	21.29%		21.48%		21.68%		21.87%		22.07%	
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	-0.30%/°C									
Temperature coefficients of Voc	-0.25%/°C									
Temperature coefficients of Isc	0.044%/°C									
Nominal operating cell temperature (NOCT)	45±2°C									
Refer. Bifacial Factor	80±5%									

BIFACIAL OUTPUT-REAR SIDE POWER GAIN

%	5%		15%		25%	
	Maximum Power (Pmax)	Module Efficiency STC (%)	Maximum Power (Pmax)	Module Efficiency STC (%)	Maximum Power (Pmax)	Module Efficiency STC (%)
	578Wp	22.34%	630Wp	24.48%	688Wp	26.61%
	573Wp	22.56%	644Wp	24.71%	694Wp	26.86%
	573Wp	22.77%	650Wp	24.93%	700Wp	27.10%
	573Wp	23.17%	656Wp	25.15%	706Wp	27.34%
	573Wp	23.17%	656Wp	25.15%	706Wp	27.34%

LINEAR PERFORMANCE WARRANTY

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

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Specifications included in this datasheet are subject to change without notice. JKMS50-570N-72HL4-BDV-F2-EN (IEC 2016)

SCHEDE TECNICHE - PANNELLO FOTOVOLTAICO