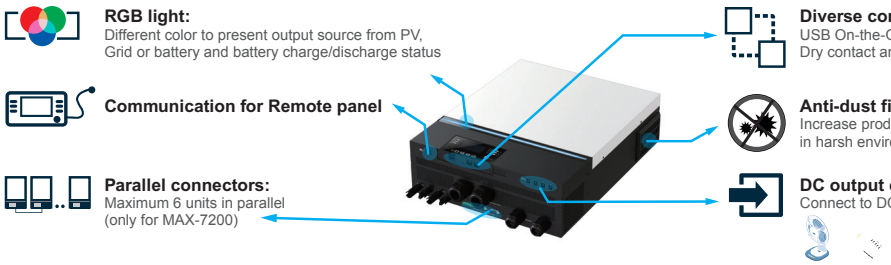
Axpert MAX Off-Grid Inverter

- Customizable status LED bar with RGB lights
- Built-in wifi for mobile monitoring (Android/iOS Apps are available)
- Supports USB On-the-Go function
- Reserved communication port for BMS (RS485, CAN-BUS or RS232)
- Replaceable fan design for ease of maintenance
- Battery independent design
- Configurable AC/PV output usage timer and prioritization
- Selectable high power charging current
- Selectable input voltage range for home appliances and personal computers
- Compatible to Utility Mains or generator input
- Built-in anti-dust kit
- Optional DC output for DC fan, LED bulb, router and so on
- Parallel operation up to 6 units only available for 7.2kVA



RGB light:
Different color to present output source from PV, Grid or battery and battery charge/discharge status

Communication for Remote panel

Parallel connectors:
Maximum 6 units in parallel (only for MAX-7200)

Diverse communications:
USB On-the-Go function, Dry contact and BMS communication

Anti-dust filter:
Increase product reliability in harsh environment

DC output connectors:
Connect to DC fan, LED bulb or router

Axpert MAX Off-Grid Inverter Selection Guide

MODEL	Axpert MAX 3600-24-230	Axpert MAX 3600-24-120	Axpert MAX 7200-48-230	Axpert MAX-7200-48-120
Rated Power	3600VA/3600W		7200VA/7200W*	
PARALLEL CAPABILITY	NO		Yes, up to 6 units	
INPUT				
Voltage	230 VAC	120 VAC	230 VAC	120 VAC
Selectable Voltage Range	170-280 VAC (For Personal Computers) 90-280 VAC (For Home Appliances)	90-140 VAC (For Personal Computers) 80-140 VAC (For Home Appliances)	170-280 VAC (For Personal Computers) 90-280 VAC (For Home Appliances)	90-140 VAC (For Personal Computers) 80-140 VAC (For Home Appliances)
Frequency Range	50 Hz/60 Hz (Auto sensing)			
OUTPUT				
AC Voltage Regulation (Batt. Mode)	230VAC ± 5%	120VAC ± 5%	230VAC ± 5%	120VAC ± 5%
Surge Power	7500VA	7500VA	15000VA	15000VA
Efficiency (Peak)	90% ~ 93%			
Transfer Time	15 ms (For Personal Computers) ; 20 ms (For Home Appliances)			
Waveform	Pure sine wave			
No Load Power Consumption	< 45W		< 70W	
BATTERY				
Battery Voltage	24 VDC		48 VDC	
Floating Charge Voltage	27 VDC		54 VDC	
Overcharge Protection	33 VDC		66 VDC	
SOLAR CHARGER & AC CHARGER				
Solar Charger Type	MPPT			
Maximum PV Array Power	4000 W		8000W (4000W x 2)	
MPPT Range @ Operating Voltage	120 ~ 450 VDC	90 ~ 230 VDC	90 ~ 450 VDC	90 ~ 230 VDC
Maximum PV Array Open Circuit Voltage	500 VDC	250 VDC	500 VDC	250 VDC
Maxmum Solar Charge Current	80 A			
Maximum AC Charge Current	80 A			
Maximum Charge Current	80 A			
PHYSICAL				
Dimension, D x W x H (mm)	147.4 x 432.5 x 553.6			
Net Weight (kgs)	14.1		18.4	
Communication Interface	USB/RS232/RS485/Wifi/Dry-contact			
OPERATING ENVIRONMENT				
Humidity	5% to 95% Relative Humidity(Non-condensing)			
Operating Temperature	-10°C to 50°C			
Storage Temperature	-15°C to 60°C			
STANDARD				
Compliance Safety	CE	UL	CE	UL

* 120 VAC model rated as 5000VA when unit operated under inverte mode
Product specifications are subject to change without further notice.

Voltronic Power
Advancing Power

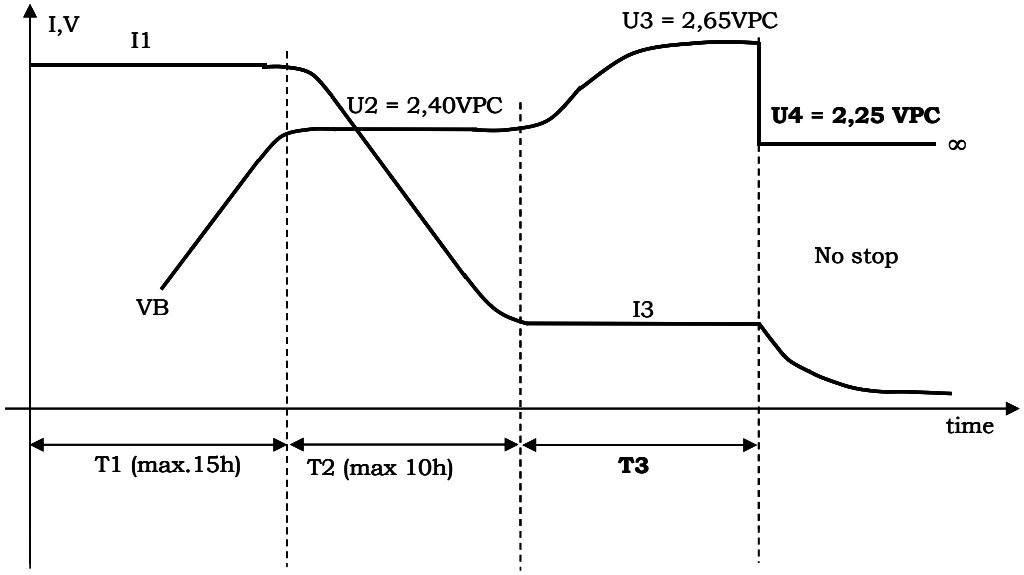
AZIENDA CON SISTEMA QUALITÀ CERTIFICATO DA DNV
=UNI EN ISO 9001/2000=

LONG LIFE BATTERIES HIGH CAPACITY

SPECIFICHE DELLA BATTERIA TIPO 7 TG 12 N

Performance specification for battery type

Voltaggio *Nominal Voltage*	.....	12 V
Capacità *Nominal Capacity*	.....	20 h ⇒ 200 Ah 5 h ⇒ 150 Ah 2 h ⇒ 117 Ah 1 h ⇒
Resistenza interna *Internal Resistance*	.....	milliohms
Dimensioni (mm) *Dimensions (mm)*	.....	Lunghezza 510 mm; Larghezza 222 mm; Altezza 225 mm *Lenght 510 mm* *Width 222 mm* *Height 225 mm*
Poli *Terminals*	.....	+ \ -
Elettrolito *Electrolyte*	.....	Acido Solforico 1,29 gr/lt 30°C *Sulphuric acid*
Contenitore *Recipient*	.....	Polipropilene (PP) *Polypropylene (PP)*
Peso con elettrolito *Weight with electrolyte*	.....	51,4 Kg.
Corrente di carica suggerita *Suggested Charging current*	.....	25 A WA 20 IUIA
Temperatura di lavoro *Operating Temperature*	.....	-20°C / 45°C
Temperatura d'immagazzinaggio *Storage Temperature*	.....	-20°C / 40°C
Numero Cicli *Cycle nr.*	.....	1200



➢ **Durata: T1 + T2:** la durata delle due fasi iniziali può essere al massimo 14h

- **Durata: T3**

La durata di T3 è uguale alla durata della carica principale, cioè T3 = T1 + T2, ma con un minimo di 1h e

T1+T2 [h]	< 1	2	3	4	> 4
T3 [h]	1	2	3	4	4

massimo di 4h:

www.jinkosolar.com

Building Your Trust in Solar

Tiger Neo N-type 54HL4-(V)

410-430 Watt

MONO-FACIAL MODULE

N-Type

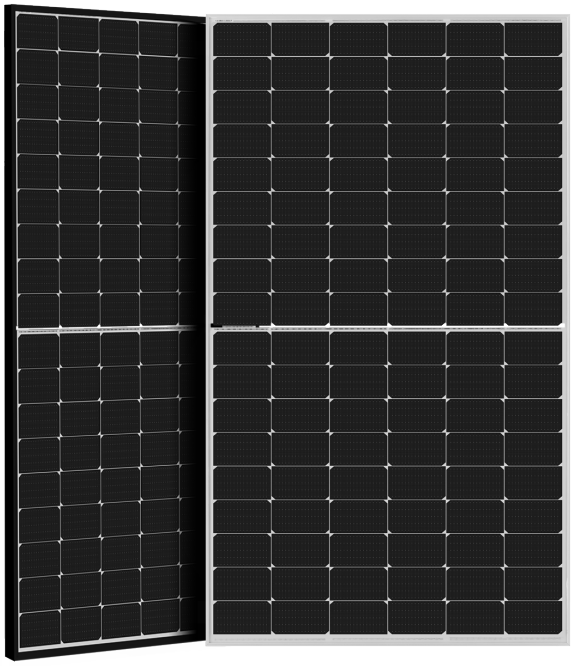
Positive power tolerance of 0~+3%

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.

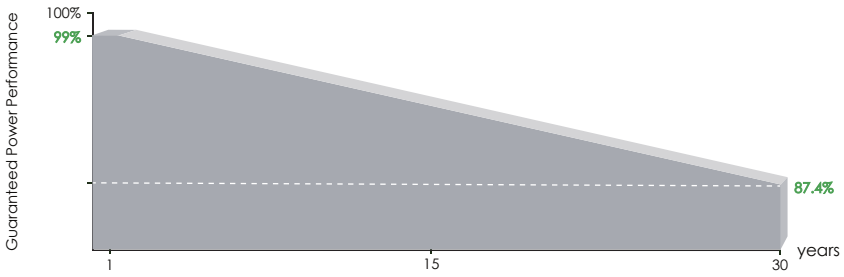
Enhanced Mechanical Load

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

Durability Against Extreme Environmental Conditions

High salt mist and ammonia resistance.

LINEAR PERFORMANCE WARRANTY

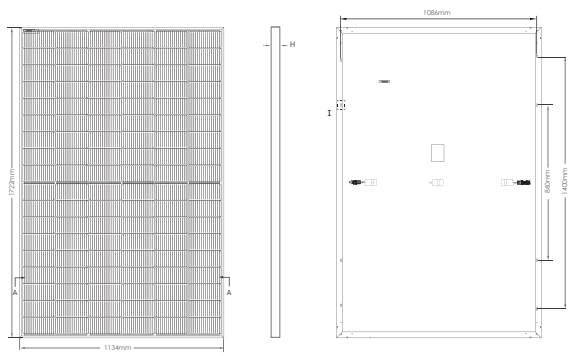


15 Year Product Warranty

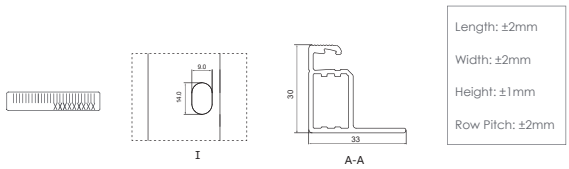
30 Year Linear Power Warranty

0.40% Annual Degradation Over 30 years

Engineering Drawings



Front Side Back



Length: ±2mm
Width: ±2mm
Height: ±1mm
Row Pitch: ±2mm

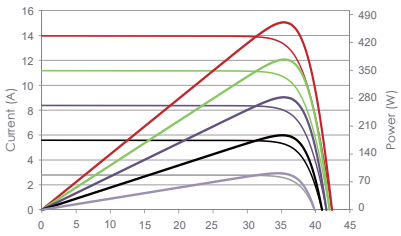
Packaging Configuration

(Two pallets = One stack)

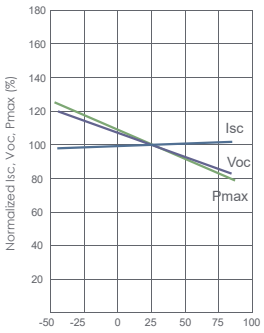
36pcs/pallets, 72pcs/stack, 936pcs/ 40'HQ Container

Electrical Performance & Temperature Dependence

Current-Voltage & Power-Voltage Curves (430W)



Temperature Dependence of Isc,Voc,Pmax



Mechanical Characteristics

Cell Type	N type Mono-crystalline
No. of cells	108 (6×18)
Dimensions	1722×1134×30mm (67.79×44.65×1.18 inch)
Weight	22 kg (48.50 lbs)
Front Glass	3.2mm, Anti-Reflection Coating, High Transmission, Low Iron, Tempered Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP68 Rated
Output Cables	TUV 1×4.0mm² (+): 400mm , (-): 200mm or Customized Length

SPECIFICATIONS

Module Type	JKM410N-54HL4 JKM410N-54HL4-V		JKM415N-54HL4 JKM415N-54HL4-V		JKM420N-54HL4 JKM420N-54HL4-V		JKM425N-54HL4 JKM425N-54HL4-V		JKM430N-54HL4 JKM430N-54HL4-V	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	410Wp	308Wp	415Wp	312Wp	420Wp	316Wp	425Wp	320Wp	430Wp	323Wp
Maximum Power Voltage (Vmp)	31.13V	29.06V	31.32V	29.21V	31.51V	29.34V	31.70V	29.50V	31.88V	29.63V
Maximum Power Current (Imp)	13.17A	10.61A	13.25A	10.68A	13.33A	10.76A	13.41A	10.83A	13.49A	10.91A
Open-circuit Voltage (Voc)	37.73V	35.84V	37.92V	36.02V	38.11V	36.20V	38.30V	36.38V	38.49V	36.56V
Short-circuit Current (Isc)	13.91A	11.23A	13.99A	11.29A	14.07A	11.36A	14.15A	11.42A	14.23A	11.49A
Module Efficiency STC (%)	21.00%		21.25%		21.51%		21.76%		22.02%	
Operating Temperature(℃)	-40℃~+85℃									
Maximum system voltage	1000/1500VDC (IEC)									
Maximum series fuse rating	25A									
Power tolerance	0~+3%									
Temperature coefficients of Pmax	-0.29%/℃									
Temperature coefficients of Voc	-0.25%/℃									
Temperature coefficients of Isc	0.045%/℃									
Nominal operating cell temperature (NOCT)	45±2℃									

*STC: Irradiance 1000W/m² Cell Temperature 25℃ AM=1.5

NOCT: Irradiance 800W/m² Ambient Temperature 20℃ AM=1.5 Wind Speed 1m/s