

## Argus PT Ultra

### **Telecamera 4K PT a batteria con Wi-Fi 5/2,4 GHz**

- 4K 8MP Ultra HD
- Panoramica a 355° e inclinazione a 140
- Visione notturna a colori

## **Specifications**

<b>Video &amp; Audio</b>	
Tipo Sensore	Sensore CMOS da 1/2,7"
Risoluzione Video	3840 x 2160 (8,0 Megapixel)@15fps
Compressione Video	H.265
Angolo di Visione	Obiettivo fisso; orizzontale: 90°; verticale: 47°; diagonale: 110°
Visione notturna a infrarossi	Fino a 10m (33piedi)) (LED: 2pz/1,2W/850nm)
Visuale notturna a colori	Faretto: 2pz/2,4W/6500K
Audio	Audio bidirezionale
<b>Rilevamento PIR &amp; Avvisi</b>	
Allarme intelligente	Rilevamento PIR/rilevamento persone/rilevamento veicoli/rilevamento animali domestici
Distanza di Rilevamento PIR	Regolabile fino a 10m (33 piedi)
Angolo di Rilevamento PIR	120° orizzontale
Avvisi Audio	Registrazione del movimento
Registrazione	Sì

Altri Avvisi	Supporta Reolink Cloud (disponibile in paesi selezionati)
<b>Pan &amp; Tilt</b>	
Panoramica e inclinazione	Panoramica: 355°; inclinazione: 140°
Punti Preset	Supporta 1 posizione di guardia e fino a 32 posizioni preimpostate
<b>Wireless</b>	
Frequenza operativa	2,4GHz/5GHz
Standard wireless	IEEE 802,11a/b/g/n
Standard Wireless	WPA-PSK/WPA2-PSK
<b>Video &amp; Audio</b>	
Batteria	Batteria ricaricabile da 21,6Wh (la durata della batteria varia in base alle impostazioni, all'uso e alla temperatura)
Alimentazione Solare	Pannello solare Reolink 2
Alimentazione DC	Porta USB Tipo-C
<b>Archiviazione</b>	
Archiviazione Locale	Supporta una scheda microSD da 512 GB al massimo
Archiviazione Cloud	Sì
<b>Casa intelligente</b>	
Smart Home	Assistente Google, Alexa
<b>Ambiente di Esercizio</b>	
Temperatura di Esercizio	Da -10 a 55° C (da 14° a 131° F)
Impermeabilità	IP64
<b>Dimensione &amp; Peso</b>	
Dimensione	Φ98 x 122 mm
Peso (con la batteria)	481g
<b>Garanzia</b>	

Garanzia Limitata

Garanzia limitata di 2 anni. Per l'assistenza, visitare il sito <https://support.reolink.com/hc/en-us/>

## Gallery & Specs



1. Speaker
2. IR LED
3. Spotlight
4. Daylight Sensor
5. Lens
6. Status LED
7. Built-in PIR Sensor
8. Built-in Mic



1. Antenna
2. USB-C Port
3. Power Button
4. microSD Card Slot
5. Reset Hole

[www.reolink.com](http://www.reolink.com)

# A48100

This 4.8kWh LFP module supports both floor-standing and wall-mounted installations. It is equipped with OTA function for remote upgrade and monitoring.

Up to 30 modules in parallel, it can meet various needs of users and enable flexible expansion.



**APP Monitoring (optional)**  
Real-time monitoring  
& Remote upgrade available



**Module Design**  
Flexible expansion



**Various Mounting Methods**  
Wall-mounted,  
floor-standing and stacked



**High Safety LFP**  
Cell level monitoring and balancing



**Wide Compatibility**  
Matching with leading inverters

# Technical Specifications

Model	A48100
Battery Type	LiFePO4
Nominal Battery Energy	4.8kWh
Nominal Capacity	100Ah
Nominal Voltage	48V
Operating Voltage	42 ~ 54V
Recommended Charge & Discharge C Rate	0.5C
Recommended Charge/Discharge Current	50A
Max Continuous Charge/Discharge Current	75A
Peak Power Charge/Discharge Current	100A (15s)
Depth of Discharge (DOD)	90%
Net Weight	45kg
Dimension[W*D*H]	504*597*155 mm
Charging Temp. Range	0~55°C
Discharging Temp. Range	-20~55°C
Communication	CAN/RS485/RS232
Cycle Life <sup>[1]</sup>	≥6000 Cycles
Protection Level	IP20
Expansion	Up to 30 units in parallel
Pros	Can be used in both off-grid and hybrid setups, compact design
Certification & Safety Standard	UN38.3/CE-EMC/IEC62619/IEC60730/CEI-021/GOST-R/UKCA
Compatible Inverters	SMA/Victron/Ingeteam/Delios/Goodwe/Solis /Deye/SAJ/Voltronic/Sungrow etc.

[1]Test conditions: 0.2C Charging/Discharging, @25°C, 90% DOD

# Axpert VM II Off-Grid Inverter

## Operation without battery

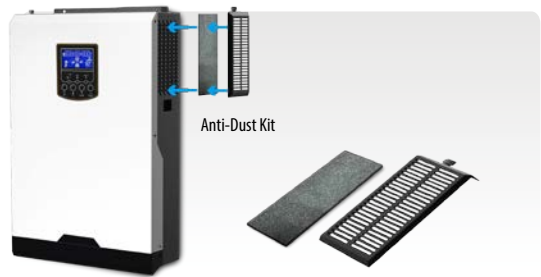


- Pure sine wave solar inverter
- Output power factor 1
- High PV input voltage range
- Inverter running without battery
- Built-in 80A MPPT solar charger
- Battery equalization function to optimize battery performance and extend lifecycle
- Built-in anti-dusk kit for harsh environment

OFF-GRID INVERTER

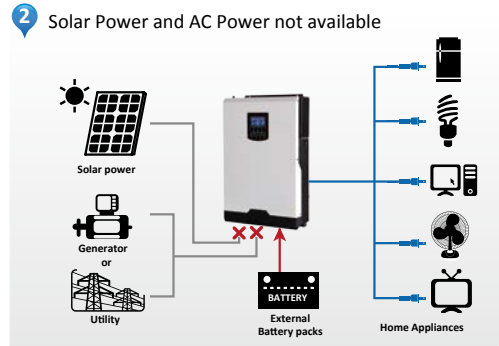
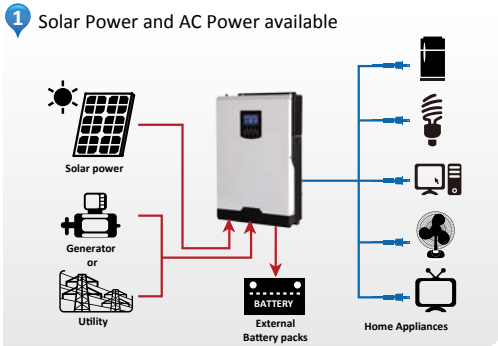
### Anti-Dust Kit

After installing this anti-dust kit, inverter will automatically detect this kit and activate internal thermal sensor to adjust internal temperature. By virtue of the dustproof design, it dramatically increases product reliability in harsh environment.

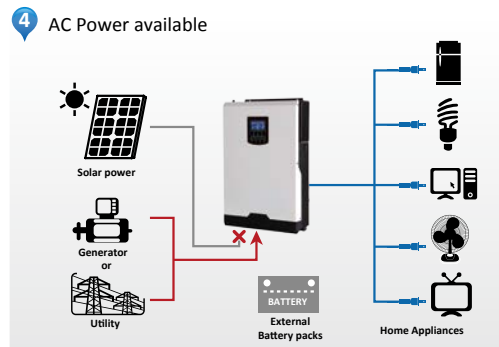
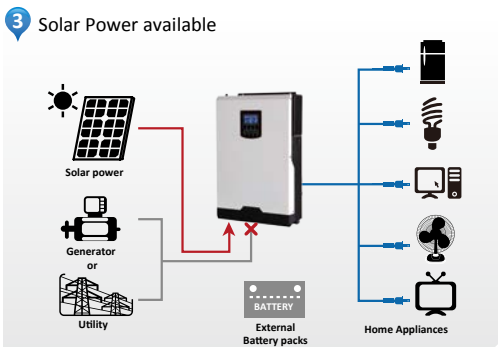


### System Diagram:

#### Operation with battery connected



#### Operation without battery connected



## Axpert VM II Off-Grid Inverter Selection Guide

MODEL	Axpert VM II 3000-24	Axpert VM II 5000-48
Rated Power	3000VA / 3000W	5000VA / 5000W
<b>INPUT</b>		
Voltage	230 VAC	
Selectable Voltage Range	170-280 VAC (For Personal Computers) ; 90-280 VAC (For Home Appliances)	
Frequency Range	50 Hz/60 Hz (Auto sensing)	
<b>OUTPUT</b>		
AC Voltage Regulation (Batt. Mode)	230VAC $\pm$ 5%	
Surge Power	6000VA	10000VA
Efficiency (Peak)	90% ~ 93%	
Transfer Time	10 ms (For Personal Computers) ; 20 ms (For Home Appliances)	
Waveform	Pure sine wave	
<b>BATTERY</b>		
Battery Voltage	24 VDC	48 VDC
Floating Charge Voltage	27 VDC	54 VDC
Overcharge Protection	33 VDC	63 VDC
<b>SOLAR CHARGER &amp; AC CHARGER</b>		
Maximum PV Array Open Circuit Voltage	500 VDC	500 VDC
Maximum PV Array Power	4000 W	5000 W
MPP Range @ Operating Voltage	120~450 VDC	120~450 VDC
Maximum Solar Charge Current	80 A	80 A
Maximum AC Charge Current	60 A	60 A
Maximum Charge Current	80 A	80 A
<b>PHYSICAL</b>		
Dimension, D x W x H (mm)	100 x 300 x 440	
Net Weight (kgs)	9	10
Communication Interface	USB/RS232	
<b>ENVIRONMENT</b>		
Humidity	5% to 95% Relative Humidity (Non-condensing)	
Operating Temperature	-10°C to 50°C	
Storage Temperature	-15°C to 60°C	

Product specifications are subject to change without further notice.

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BloombergNEF



ISO 9001  
ISO 45001

ISO 14001  
OHSAS 18001

SA 8000



## M10 TOPCON BIFACIAL

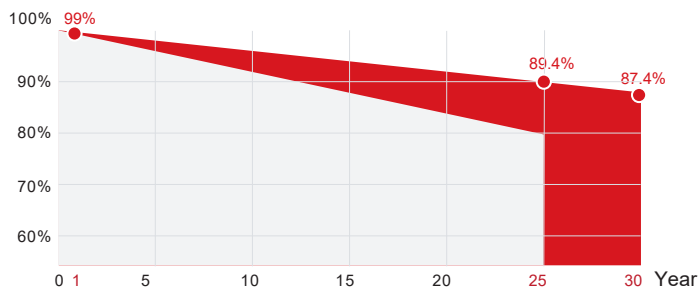
SPDGxxx-N108M10

410~440W

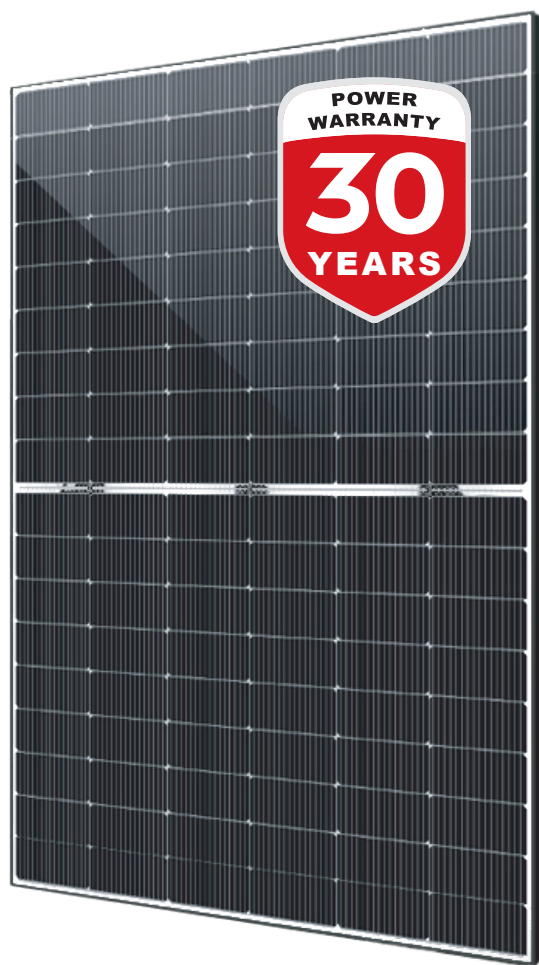
- Double glass
- Black frame
- Bifacial Transparent

25 Yr quality guarantee | 30 Yr power warranty

■ SUNPRO TOPCon module (Additional value from 30-year warranty)  
 ■ Common module



\*SUNPRO Standard tiered warranty



### WARRANTY & GUARANTEE

Linear output power guarantee  
25 years: 89.4% power output  
30 years: 87.4% power output



### WITHSTAND STRONG

Snow load 5400Pa  
Wind load 2400Pa



### PID RESISTANCE

Power positive tolerance:  
0~+5W.  
The attenuation probability of PID phenomenon is minimized through battery production technology optimization and material control



### R&D AND PRODUCTION

Advanced production line. Bifaciality>80%, effectively improves backside power generation. The leading solar cell cutting process and multi busbar design with SUNPRO Technology.



### HIGH EFFICIENCY

N-type. Components have better reliability and lower LID/LETID attenuation. Efficiency can reach 22.53%. Excellent low light performance. Higher power output under the conditions of haze, overcast, etc.

## Electrical parameters at standard test conditions (STC:AM=1.5, 1000W/m<sup>2</sup>, Cells Temperature 25 )

Typical type	410W	415W	420W	425W	430W	435W	440W
Max power(Pmax)	410	415	420	425	430	435	440
Max power voltage(Vmp)	31.25	31.37	31.49	31.64	31.79	31.94	32.09
Max power current(Imp)	13.12	13.23	13.34	13.44	13.53	13.62	13.72
Open circuit voltage(Voc)	37.94	38.04	38.13	38.24	38.34	38.43	38.53
Short circuit current(Isc)	13.85	13.96	14.07	14.16	14.25	14.34	14.43
Module Efficiency(%)	21.00	21.25	21.51	21.76	22.02	22.28	22.53
Max system voltage	DC 1500V (TÜV,UL)						
Maximum Series Fuse Rating	30A						

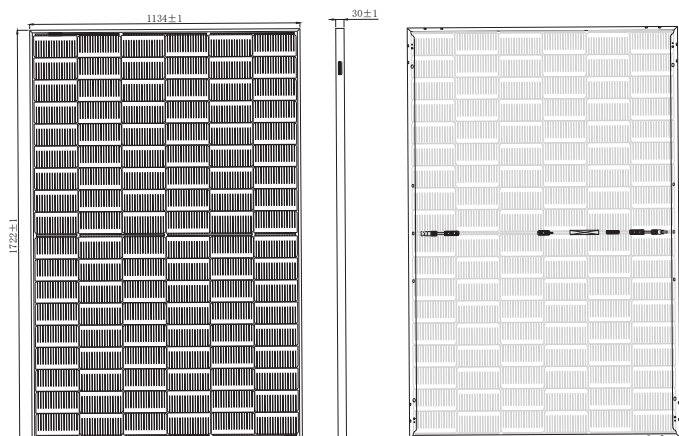
### Electrical Characteristics with 15% Rear Side Power Gain (Take 420W as an example)

Front power Pmax/W	410W	415W	420W	425W	430W	435W	440W
Total power Pmax/W	471.50	477.25	483.00	488.75	494.50	500.25	506
Max power voltage(Vmp)	31.25	31.37	31.49	31.64	31.79	31.94	32.09
Max power current(Imp)	15.09	15.21	15.34	15.45	15.56	15.66	15.77
Open circuit voltage(Voc)	37.94	38.04	38.13	38.24	38.34	38.43	38.53
Short circuit current(Isc)	15.93	16.05	16.18	16.28	16.39	16.49	16.59

### Electrical parameters at NMOT test conditions (Irradiance 800W/m<sup>2</sup>, Ambient Temperature 20°C, AM 1.5, Wind Speed 1 m/s)

Typical type	410W	415W	420W	425W	430W	435W	440W
Max power(Pmax)	308	312	316	320	324	325	329
Max power voltage(Vmp)	29.4	29.5	29.6	29.7	29.9	29.80	29.90
Max power current(Imp)	10.49	10.58	10.67	10.75	10.84	10.91	11.00
Open circuit voltage(Voc)	35.7	35.8	35.9	36	36.1	36.00	36.10
Short circuit current(Isc)	11.16	11.25	11.34	11.41	11.48	11.56	11.63

## DIMENSIONS AND STRUCTURE



## Mechanical Data

Dimensions	1722x1134x30mm
Weight	23.3kg
Glass	(F) 2.0mm ultra clear embossed double layer colorless glass (B) 2.0mm semi-tempered glass
Output cables	4mm <sup>2</sup> , symmetrical lengths 1100mm
Connectors	MC4 compatible IP68
Cell type	Mono-Crystalline, N type Bifacial, 182x91mm
Number of cells	108cells(Half-Cell)

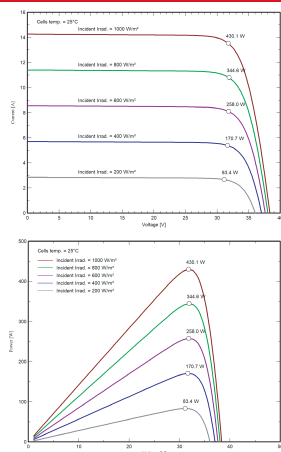
### Temperature Characteristics

Temp.Coeff.of Isc(TK Isc)	0.045% / °C
Temp.Coeff.of Voc(TK Voc)	-0.25% / °C
Temp.Coeff.of Pmax(TK Pmax)	-0.30% / °C
Operating temperature	-40~+85°C
Normal operating cell temperature	42±2°C

### Packing Configuration

Container	40'HQ
Pieces per pallet	72
Pallets per container	13
Pieces per container	936

## I-V CHARACTERISTICS AT DIFFERENT IRRADIATION



## Tests, Certifications and Warranties

Standard tests	IEC 61215, IEC 61730, IEC 61701, IEC 62716, PPP 58042
System certs	ISO 9001, ISO14001, ISO45001
Certifications	TÜV, CE, CEC, UL, WEEE
Extreme wind and snow loads testing	Withstand extreme wind(2400 Pascal) and snow loads(5400 Pascal)
Power tolerance	0~+5W
Junction box	IP 68
Warranties	25 years product warranty and 30 years 87.4% of power