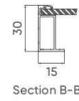
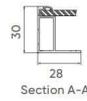
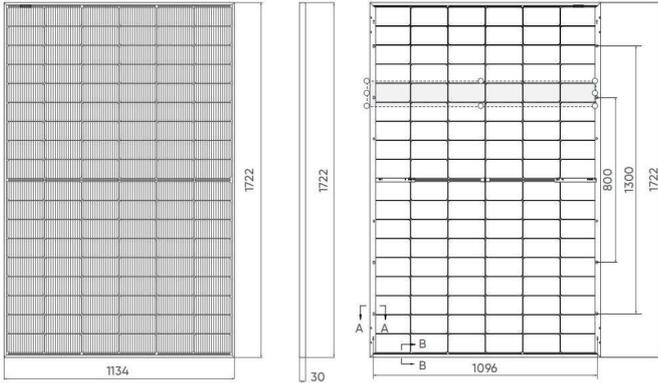


BI-Verre 425WC



(Unit: mm)



Specifications

* STC: irradiance 1000 W/m², AM 1.5, ambient temperature 25°C

Model Type	FY-108-420NH
Peak Power(Pmax)	425W
Maximum Power Voltage(Vmp)	31.84V
Maximum Power Current(Imp)	13.35A
Open Circuit Voltage(Voc)	38.73V
Short Circuit Current(Isc)	14.06A
Cells Efficiency(%)	22.00
Module Efficiency(%)	21.76

* NOCT: irradiance 800 W/m², AM 1.5G, ambient temperature 20°C

Peak Power(Pmax)	325W
Maximum Power Voltage(Vmp)	32.3V
Maximum Power Current(Imp)	10.06A
Open Circuit Voltage(Voc)	38.1V
Short Circuit Current(Isc)	10.74A

Operating And Temperature Characteristics

Maximum System Voltage(V)	1500 DC (IEC)
Maximum Series Fuse Rating(A)	30
Power Tolerance	0/+5W
Nominal Operating Temperature (NMOT)	45±2°C
Temperature Coe_x005fcient of Pmax	-0.29%/°C
Temperature Coe_x005fcient of Voc	-0.25%/°C
Temperature Coe_x005fcient of Isc	+0.045%/°C
Operating and Storage Temperature(°C)	-40 ~ +85

Warranty



25 year Materials Warranty

30 year Power Warranty



Mechanical characteristics

Solar Cells	N-type Mono
No. of Cells	108 (6×18)
Dimensions	1722 × 1134 × 30mm
Weight	23.5kg
Glass	2.0mm semi-tempered glass
Frame	Anodized aluminium alloy
Junction box	Ip68 rated
Output cables	4mm ²
M echanical load test	5400Pa

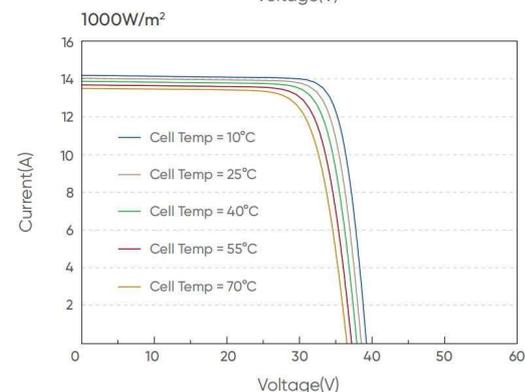
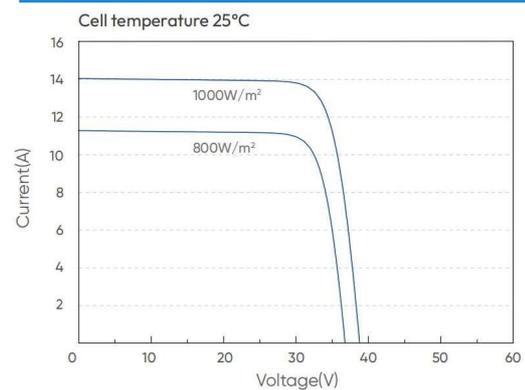
Packing list

20FT container	6 Packages/216pcs
40HQ container	26 Packages/936pcs

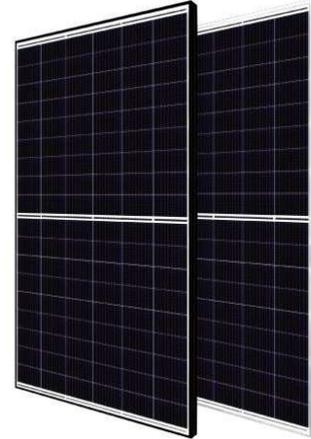
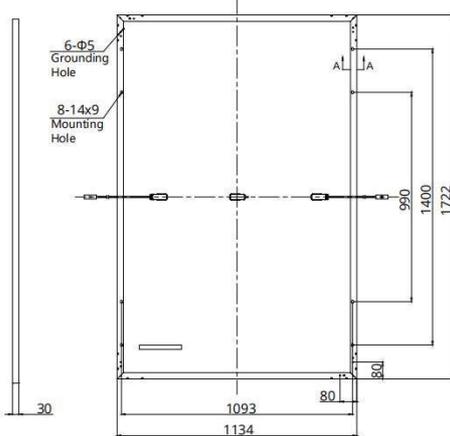
Product Standard

Product Performance	IEC61215
Product Safety	IEC61730

IV Cure



Rear View



Specifications

* STC: irradiance 1000 W/m², AM 1.5, ambient temperature 25°C

Model Type	FY-108-435NH
Peak Power(Pmax)	435W
Maximum Power Voltage(Vmp)	33.6V
Maximum Power Current(Imp)	12.75A
Open Circuit Voltage(Voc)	40.3V
Short Circuit Current(Isc)	13.43A
Cells Efficiency(%)	22.80
Module Efficiency(%)	22.30

* NOCT: irradiance 800 W/m², AM 1.5, ambient temperature 20°C

Peak Power(Pmax)	332W
Maximum Power Voltage(Vmp)	32.3V
Maximum Power Current(Imp)	10.27A
Open Circuit Voltage(Voc)	38.1V
Short Circuit Current(Isc)	10.82A

Operating And Temperature Characteristics

Maximum System Voltage(V)	1500V (IEC) or 1000V (IEC)
Maximum Series Fuse Rating(A)	25
Power Tolerance	0/+10W
Nominal Operating Temperature (NMOT)	41±3°C
Temperature Coe_x005fcient of Pmax	-0.26%/°C
Temperature Coe_x005fcient of Voc	-0.24%/°C
Temperature Coe_x005fcient of Isc	+0.045%/°C
Operating and Storage Temperature(°C)	-40 ~ +85

Mechanical characteristics

Solar Cells	HJT cells
No. of Cells	108 (6×18)
Dimensions	1722 × 1134 × 30mm
Weight	23kg
Glass	2.0mm and 1.6mm semi-tempered glas
Frame	Anodized aluminium alloy
Junction box	IP68 rated
Output cables	4mm ²
Mechanical load test	5400Pa

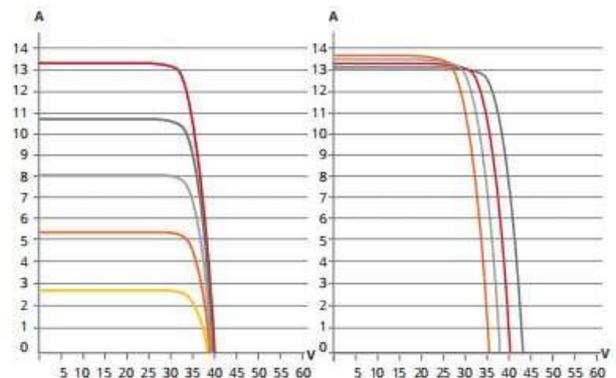
Packing list

20FT container	6 Packages/216pcs
40HQ container	26 Packages/936pcs

Product Standard

Product Performance	IEC61215
Product Safety	IEC61730

IV Cure



Warranty



15 Years Industry Leading Product Warranty on Materials and Workmanship*

30 Years Linear Power Performance Warranty*



TEDLAR 375WC

FY 166MM 120-CELL

MONO-FACIAL MODULE

360W-380W



380W

Maximum Power Output

21.81%

Maximum Module Efficiency

0~+3W

Power Output Tolerance



Multi Busbar Technology

Better light trapping and current collection to improve module power output and reliability.



Reduced Hot Spot Loss

Optimized electrical design and lower operating current for reduced hot spot loss and better temperature coefficient.



PID Resistance

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



Enhanced Mechanical Load

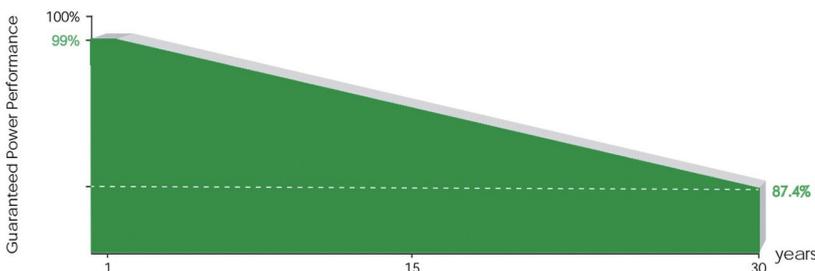
Certified to withstand: wind load (2400 Pascal) and snow load (5400 Pascal).



Durability Against Extreme Environmental Conditions

High salt mist and ammonia resistance.

LINEAR PERFORMANCE WARRANTY



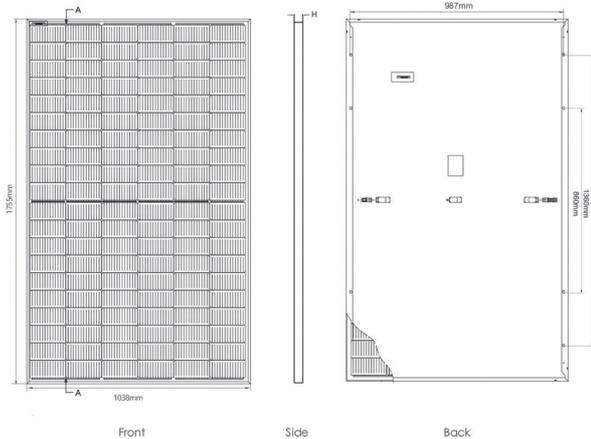
12 Years Product Material & Workmanship

30 Years Linear Performance Warranty

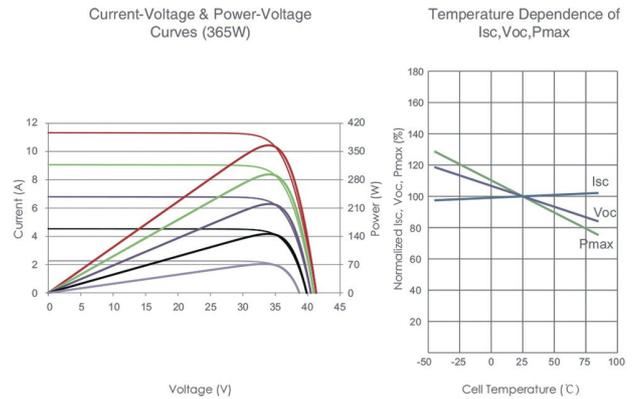
SPECIFICATIONS

Module Type	FY-120-360M		FY-120-365M		FY-120-370M		FY-120-375M		FY-120-380M	
	STC	NOTC	STC	NOTC	STC	NOTC	STC	NOTC	STC	NOTC
Maximum Power (Pmax)	360Wp	268Wp	365Wp	272Wp	370Wp	276Wp	375Wp	280Wp	380Wp	283Wp
Maximum Power Voltage (Vmp)	34.19V	31.53V	34.34V	31.72V	34.49V	31.88V	34.63V	32.03V	34.77V	32.20V
Maximum Power Current (Imp)	10.53A	8.50A	10.63A	8.58A	10.73A	8.65A	10.83A	8.73A	10.93A	8.80A
Open-circuit Voltage (Voc)	41.80V	39.45V	42.05V	39.69V	42.30V	39.93V	42.55V	40.16V	42.77V	40.37V
Short-circuit Current (Isc)	11.23A	9.07A	11.33A	9.15A	11.43A	9.23A	11.53	9.31A	11.63A	9.39A
Operating Temperature(°C)	-40°C~+85°C									
Maximum system voltage	1000/1500VDC(IEC)									
Maximum series fuse rating	20A									
Power tolerance	0~+3°C									
Temperature coefficients of Pmax	-0.34%/°C									
Temperature coefficients of Voc	-0.28%/°C									
Temperature coefficients of Isc	0.048%/°C									
Nominal operating cell temperature (NOCT)	45±2°C									

Engineering Drawings



Electrical Performance & Temperature Dependence



Packaging Configuration

31pcs/pallets, 62pcs/stack, 806pcs/ 40'HQ Container

Mechanical Characteristics

Cell Type	P type Mono-crystalline
NO.of cells	120 (6×20)
Dimensions	1755×1038×35mm (74.92×44.65×1.18 inch)
Weight	19 kg (53.35 lbs)
Output Cables	TUV 1X4.0mm ²
Junction Box	IP68Rated



MICRO INVERTER



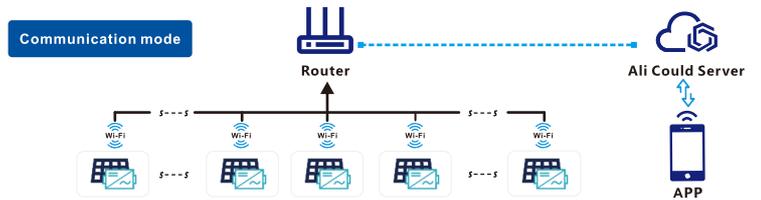
WVC-700(Life)

USER MANUAL

Green Energy Smart Inverter Expert

IoT Monitoring Platform Smart mobile "core" life

- CO-2 induced environmental analysis
- Daily and total energy generation in kWh
- Actual DC input voltage, current and power
- Actual AC output voltage, current and power
- Inverter temperature
- Historical (daily, weekly, monthly) power curve
- Power losses due to weather induced effects
- Optional limitation of power output
- Online switch for the inverter start stop



- ☑ CO-2 induced environmental analysis
- ☑ Daily and total energy generation in kWh
- Ⓐ Actual DC input voltage, current and power
- ☑ Actual AC output voltage, current and power
- 🌡 Inverter temperature
- ⚙ Optional limitation of power output
- 🔌 Online switch for the inverter start stop
- 📊 Historical (daily, weekly, monthly) power curve

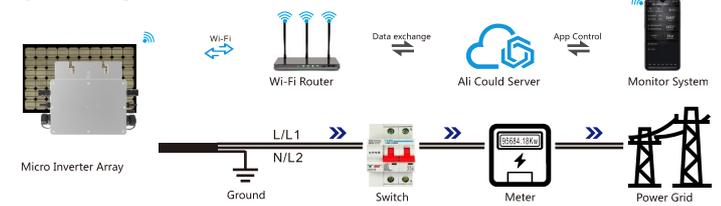
Micro inverter Use Manual(Life)

model	WVC-700	
Recommend use panels	2*430Watt	
Output voltage mode	120/230V Auto switch	
PV Open circuit voltage	33-60VDC	
Operating voltage range	22-60V	
Starting voltage range	22-60V	
short-circuit current	2*16A	
Maximum working current	2*14A	
Output parameters	@120V	@230V
Output peak power	700Watt	700Watt
Rated output power	680Watt	680Watt
Output current	5.9A	3.05A
AC voltage range	85-160VAC	180-265VAC
AC frequency range	48-51Hz/58-61Hz	48-51Hz/58-61Hz
Power factor	>95%	>95%
Number of branch connections.	6PCS (Single)	12PCS (Single)
Output efficiency	@120V	@230V
Static MPPT efficiency	99.5%	99.5%
Max output efficiency	95%	95%
Loss of power at night	<0.5W	<0.5W
Total current harmonics	<5%	<5%
Appearance and technical features		
Temperature range	-20°C to +50°C	
Size (L×W×H)	283mm×200mm×41.6mm	
Net amount	1.46kg	
Waterproof grade	Ip65 NEMA3R	
Heat dissipation mode	Self-cooling	
Communication mode	Wi-Fi	
Power transmission mode	Reverse transmission, Load priority	
monitoring system	APP	
Electromagnetic Detection	EN61000-6-1:2007 EN6100-6-3:2007+A1:2011+AC:2012	
Power Grid standard	EN50549-1, EN 50549-2, NBR 16149:2013, UL1741	
Power grid detection	IEC/EN 62109-1, IEC/EN 62109-2, IEC 62116, IEEE 1547	
Certificate	CE , CEC, ETL , INMETRO	
Packing weight		
Specifications	Each (Packing)	Box (5PCS)
weight	2.2KG	11.5KG
Size	342×240×115mm	440×380×260mm

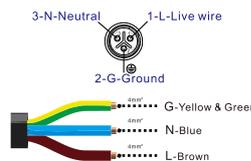
Detailed



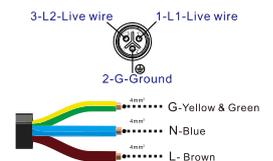
System diagram



With N wire connection (Single phase 120/230V)



No N wire connection (Single phase 120V)



Note: You can purchase a professionally customized AC bus with a T-type connector. Use this AC bus as the AC bus for each branch. Connect it hand in hand to form a modular micro-inverter branch wiring system.



When the inverter is not started/shutdown and has been connected to the grid, the status of the LED indicators is as follows

- 1) When the inverter is not working ----- Red light is always on
- 2) When the inverter is in working state ----- Blue light flashes (MPPT is locked to a long light state)



When the inverter is not started/shutdown and is not connected to the grid, the LED indicator status is as follows

- 1) When the inverter is not working ----- Red light flashes
- 2) When the inverter is in working state ----- Blue light flashes (MPPT is locked in a long light state), and the red light flashes once every three seconds



DOWNLOAD

LUMIÈRE SUR L'AVENIR X ESC CLERMONT



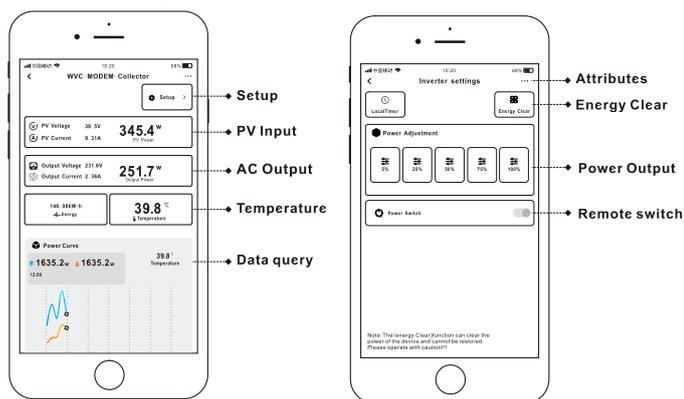
Note

Please strictly observe the following installation conditions

- a) Connect the communication antenna on the inverter;
- b) Install the inverter in a place where the Wifi signal is well covered;
- c) The connected Wi-Fi network needs to be in 2.4G communication mode;
- d) If the WiFi signal cannot effectively cover the inverter, an additional WiFi signal booster can be installed;
- e) Turn on the Bluetooth of the mobile phone;

Features

Smart APP can realize real-time data transmission with the cooperation of Alibaba Cloud IoTThrough graphs and graphic displays in time, users can understand the operation of the power station. The user can monitor the operation and adjust the output power function of the system.



Cloud Intelligence APP



INTELLIGENT IoT MONITORING MODEM
 Number of data collectors per Modem
 Built-in WiFi IoT data terminal
 Can be used on any smart device (Android/iOS)

- CO-2 induced environmental analysis
- Daily and total energy generation in kWh
- Actual DC input voltage, current and power
- Actual AC output voltage, current and power
- Inverter temperature
- Historical (daily, weekly, monthly) power curve
- Power losses due to weather induced effects
- Optional limitation of power output
- Online switch for the inverter start stop

Bluetooth Mode

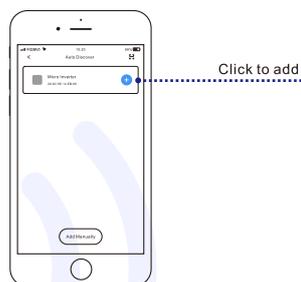
Step 1

Turn on the Bluetooth of the mobile phone, click the "+" icon to add the device;



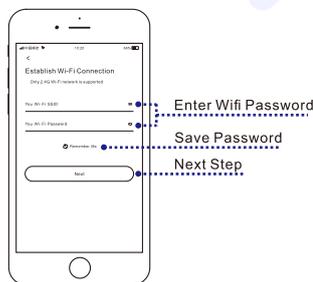
Step 2

When the inverter appears on the automatic discovery page, click the "+" sign



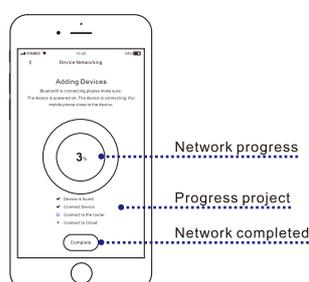
Step 3

Select WiFi signal, enter the Wi-Fi password; click Next



Step 4

The system will enter the network configuration state



Wi-Fi Mode

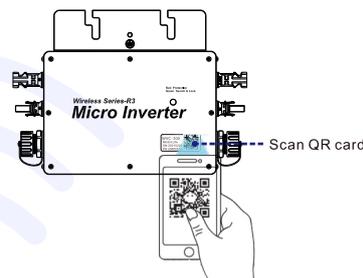
Step 1

Bluetooth distribution network fails, you can click to scan the QR code to operate



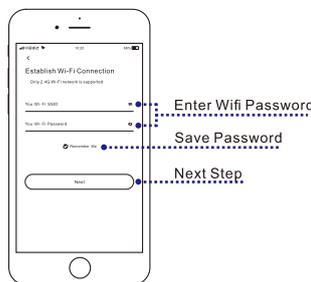
Step 2

Scan the QR code on the inverter to activate network operation



Step 3

Select WiFi signal, enter the Wi-Fi password; click Next



Step 4

The system will enter the network configuration state

