

High frequency solar inverter

# AJLAN



# REVO VM III Series

## Solar Energy Storage Inverter

0-3KVA

Battery Optional



1kW=1KVA



### Product Snapshot

Model: 3-5kW

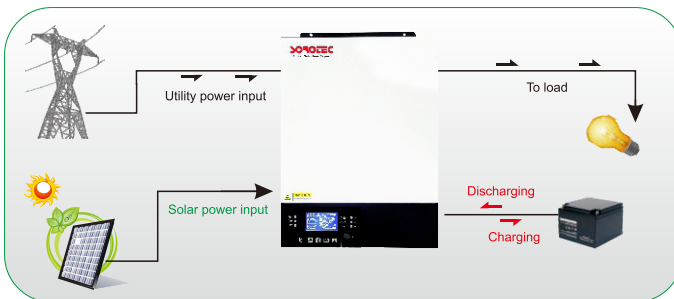
Nominal Voltage: 230VAC

Frequency Range: 50Hz/60Hz

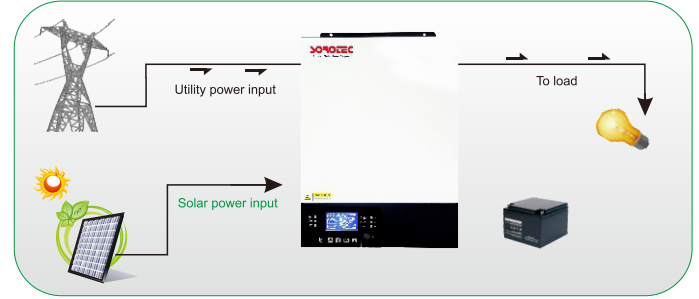


### Battery independency

With battery connected

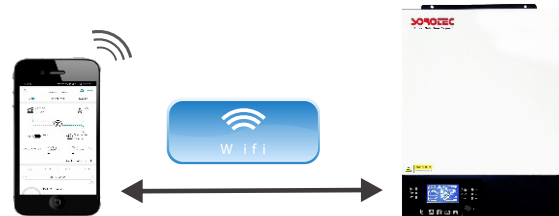


Without battery connected



### Key Features:

- Output power factor PF=1.0 .
- Configurable AC/Solar Charger priority via LCD setting .
- Compatible to mains voltage or generator power .
- Overload ,Over temperature ,Short circuit protection .
- Integrated Bluetooth interface with Android App.
- Supports USB On-the-Go function.
- Reserved communication port (RS-485, CAN-BUS or RS-232) for BMS.
- Battery independency.
- User-friendly LCD operation.
- Replaceable fan design.



### Detachable LCD control module with various communications

This detachable LCD control module can be taken off as a remote panel .Users can install the LCD panel in accessible area away from inverter up to 20 meters.

## REVO VM III Series

### Wall Mounted Integrated Solar Power Inverter Technical Specification Built-in MPPT Solar Controller

MODEL	REVO VM III 3k-24	REVO VM III 5k-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>SOLAR CHARGER &amp; AC CHARGER</b>		
Solar Charger type	MPPT	
Maximum PV Array Power	4000W	5000W
MPPT Range @ Operating Voltage	120 ~ 450 VDC	
Maximum PV Array Open Circuit Voltage	500 VDC	
Maximum Solar Charge Current	80A	
Maximum AC Charge Current	60A	
Maximum Charge Current	80A	
<b>BATTERY</b>		
Battery Voltage	24 VDC	48 VDC
Floating Charge Voltage	27 VDC	54 VDC
Overcharge Protection	33 VDC	63 VDC
<b>OUTPUT</b>		
AC Voltage Regulation (Batt. Mode)	230VAC $\pm$ 5%	
Surge Power	6000VA	10000VA
Efficiency (Peak)	Up to 93.5%	
Transfer Time	10 ms (For Personal Computers) 20 ms (For Home Appliances)	
Waveform	Pure sine wave	
<b>PHYSICAL</b>		
Dimension, D x W x H (mm)	115 x 300 x 400	
Net Weight (kgs)	9	10
Communication Interface	USB/RS232/RS485/Bluetooth/Dry-contact	
<b>OPERATING ENVIRONMENT</b>		
Humidity	5% to 95% Relative Humidity (Non-condensing)	
Operating Temperature	-10°C to 50°C	
Storage Temperature	-15°C to 60°C	

Note: Product specifications are subject to change without further notice.

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# REVO VP/VM Series

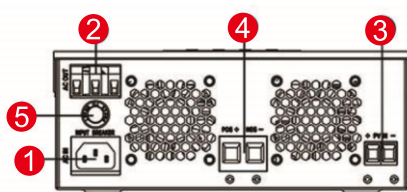
## Solar Energy Storage Inverter

0-1KVA

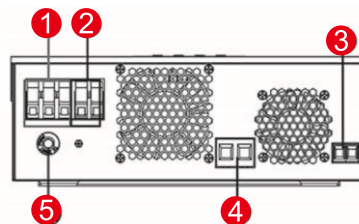


### Product Snapshot

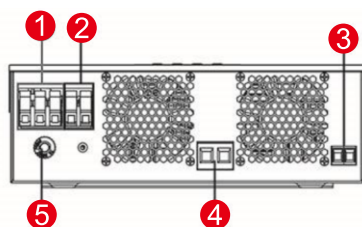
Model: 1-5kW  
 Nominal Voltage: 230VAC  
 Frequency Range: 50Hz/60Hz



1KVA/2KVA



3KVA



3KVA/5KVA

- 1 AC input
- 2 AC output
- 3 PV input
- 4 Battery input
- 5 Circuit breaker

### Key Features:

- Pure sine wave solar inverter
- Output power factor 1
- Selectable high power charging current
- Wide DC input range
- Selectable input voltage range for home appliances and personal computers
- Configurable AC/Solar input priority via LCD setting
- Compatible to AC mains or generator power
- Auto restart while AC is recovering
- Overload and short circuit protection
- Smart battery charger design for optimized battery performance
- Cold start function
- Optional anti-dusk kit

## REVO VP/VM Series

### Wall Mounted Integrated Solar Power Inverter Technical Specification

#### Built-in MPPT/PWM Solar Controller

MODEL	REVO VP 1000-12	REVO VM 1200-12	REVO VP 2000-24	REVO VM 2200-24	REVO VP 3000-24	REVO VM 3200-24	REVO VP 5000-48	REVO VM 5000-48
Rated Power	1000VA/1000W	1200VA/1200W	2000VA/2000W	2200VA/2200W	3000VA/3000W	3200VA/3200W	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	2000VA	4000VA			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	12 VDC		24 VDC				48 VDC	
Floating Charge Voltage	13.5 VDC		27 VDC				54 VDC	
Overcharge Protection	16 VDC		31 VDC		33 VDC		63 VDC	
<b>SOLAR CHARGER &amp; AC CHARGER</b>								
Solar Charger type	PWM	MPPT	PWM	MPPT	PWM	MPPT	PWM	MPPT
Maximum PV Array Open Circuit Voltage	55 VDC	102 VDC	80 VDC	102 VDC	80 VDC	102 VDC	105 VDC	145 VDC
Maximum PV Array Power	600 W	700 W	1200 W	1400 W	1200 W	1800 W	2400 W	3000 W
MPPT Range @ Operating Voltage	N/A	17 ~ 80 VDC	N/A	30 ~ 80 VDC	N/A	30~80 VDC	N/A	60~115 VDC
Maximum Solar Charge Current	50 A	50 A	50 A	50 A	50 A	65 A	50 A	65 A
Maximum AC Charge Current	20 A	20 A	20 A	20 A	25A	25A	60 A	60 A
Maximum Charge Current	50 A	60 A	50 A	60 A	70 A	80 A	110 A	120 A
<b>PHYSICAL</b>								
Dimension, D x W x H (mm)	88 x 225 x 320	103 x 225 x 320	88 x 225 x 320	103 x 245 x 330	100 x 285 x 334	118.3 x 285 x 360.4	100 x 300 x 440	100 x 302 x 440
Net Weight (kgs)	4.4	4.4	5	5	6.3	6.5	8.5	9.7
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							

Note:Product specifications are subject to change without further notice.

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# REVO VM III Series

## Solar Energy Storage Inverter

3.0-5.0KW

Battery Optional 1kW=1kVA



### Product Snapshot

Model: 3.0-5.0KW

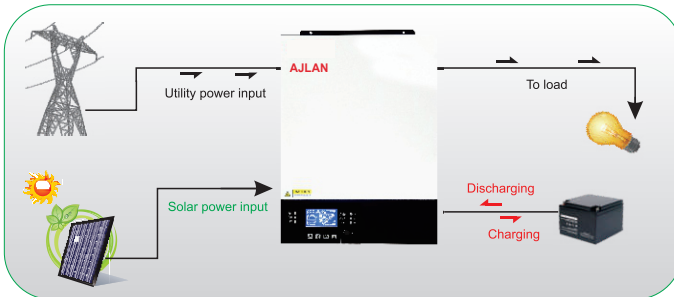
Nominal Voltage: 230VAC

Frequency Range: 50Hz/60Hz

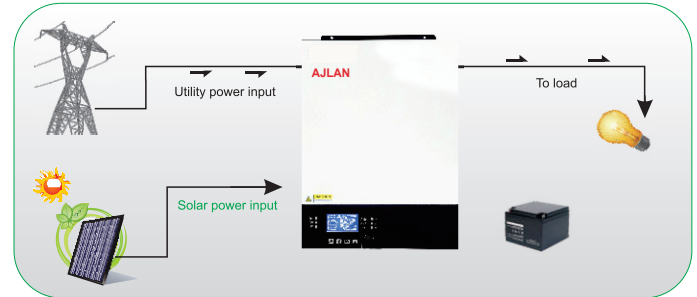


### Battery independency

With battery connected

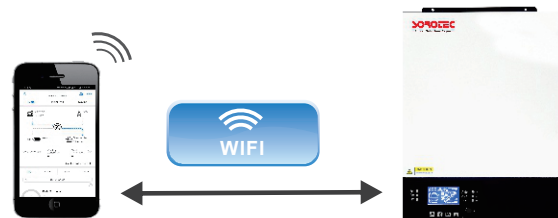


Without battery connected



### Key Features:

- Output power factor PF=1.0 .
- Configurable AC/Solar Charger priority via LCD setting .
- Compatible to mains voltage or generator power .
- Overload ,Over temperature ,Short circuit protection .
- Integrated Bluetooth interface with Android App.
- Supports USB On-the-Go function.
- Reserved communication port (RS-485, CAN-BUS or RS-232) for BMS.
- Battery independency.
- User-friendly LCD operation.
- Replaceable fan design.



### Detachable LCD control module with various communications

This detachable LCD control module can be taken off as a remote panel .Users can install the LCD panel in accessible area away from inverter up to 20 meters.

## REVO VM III Series

### Wall Mounted Integrated Solar Power Inverter Technical Specification Built-in MPPT Solar Controller

MODEL	REVO VM III 3.0K.24	REVO VM III 5.0K.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>SOLAR CHARGER &amp; AC CHARGER</b>		
Solar Charger type	MPPT	
Maximum PV Array Power	4000W	5000W
MPPT Range @ Operating Voltage	120 ~ 450 VDC	
Maximum PV Array Open Circuit Voltage	500 VDC	
Maximum Solar Charge Current	10A	
Maximum AC Charge Current	8A	
Maximum Charge Current	10A	
<b>BATTERY</b>		
Battery Voltage	24 VDC	48 VDC
Floating Charge Voltage	27 VDC	54 VDC
Overcharge Protection	33 VDC	63 VDC
<b>OUTPUT</b>		
AC Voltage Regulation (Batt. Mode)	230VAC ± 5%	
Surge Power	7000VA	11000VA
Efficiency (Peak)	Up to 93.5%	
Transfer Time	10 ms (For Personal Computers) 20 ms (For Home Appliances)	
Waveform	Pure sine wave	
<b>PHYSICAL</b>		
Dimension, D x W x H (mm)	115 x 300 x 400	
Net Weight (kgs)	9	10
Communication Interface	USB/RS232/RS485/Bluetooth/Dry-contact	
<b>OPERATING ENVIRONMENT</b>		
Humidity	5% to 95% Relative Humidity (Non-condensing)	
Operating Temperature	-10°C to 50°C	
Storage Temperature	-15°C to 60°C	

Note: Product specifications are subject to change without further notice.

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# REVO III Series

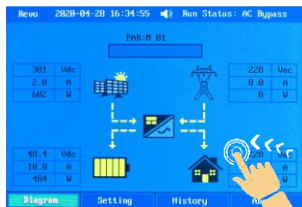
On & Off Grid Energy Storage Inverter

1-5,0kVA

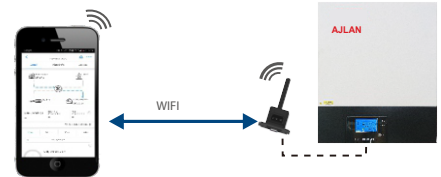


## Product Snapshot

Model: -5.58kW  
 Nominal Voltage: 230VAC  
 Frequency Range: 50Hz/60Hz



Touch Display Screen



## Key Features:

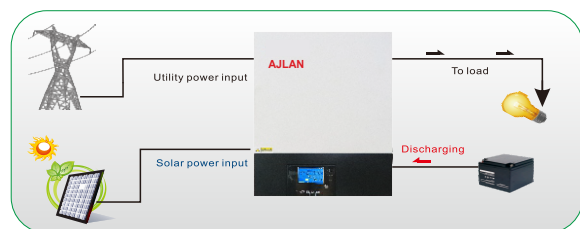
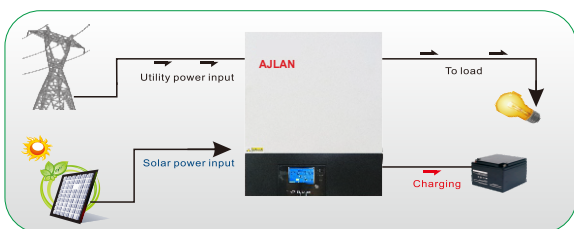
- Detachable touch screen control module with various communications
- PV and utility power the load at the same time ( can be set ).
- Output power factor PF=1.0.
- Energy generated record, load record, history information and fault record.
- Support Peak-Valley Charge
- Parallel operation up to 9 units .
- Built-in two 5000W MPPTs, with wide input range: 120-450VDC
- Reserved communication ports(RS232,RS485,CAN)



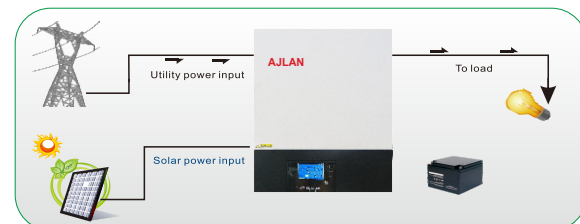
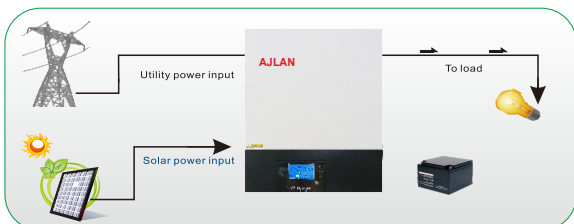
- A Removable screen port
- B Generator dry contactor
- C USB
- D For BMS (Rs485 or CAN)
- E Rs485
- F PV Input 1 and PV Input 2
- G PV Input 2
- H AC Input
- I AC output
- J Parallel port
- K Battery Input
- L WIFI port

## Hybrid Operation

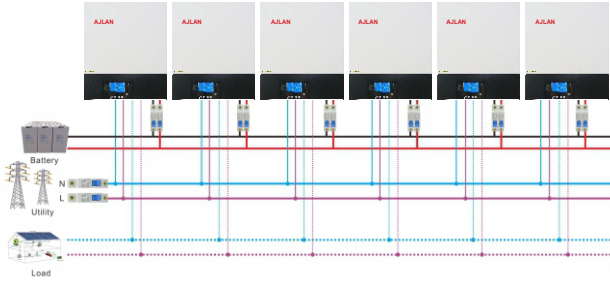
With battery connected



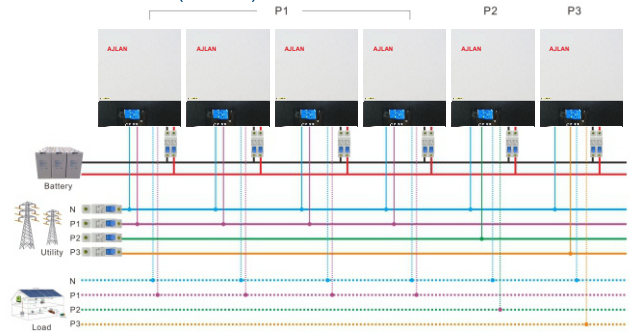
Without battery connected



■ Single phase output up to 7.2 KW using 9 units



■ Three phase output using either 3 units (7.2 KW) or max 9 units (27 KW)



## REVO III Series

### Wall Mounted Integrated Solar Inverter Technical Specification Built-in MPPT Solar Controller

MODEL	REVO III 5500	REVO III 5500-P	REVO III 11000
Rated Power	5500VA / 5500W	5500VA / 5500W	11000VA/11000W
<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 ± 5%		
Surge Power	11000 VA		11000 VA
Efficiency (Peak)	up to 93.5%		
Transfer Time	10 ms (For Personal Computers) ; 20 ms (For Home Appliances)		
Waveform	Pure sine wave		
<b>BATTERY</b>			
Battery Voltage	48 VDC		
Floating Charge Voltage	54 VDC		
Overcharge Protection	63 VDC		
<b>SOLAR CHARGER &amp; AC CHARGER</b>			
Maximum PV Array Open Circuit Voltage	500 VDC	500 VDC	500 VDC
Maximum PV Array Power	5500 W	5000 W X1	5000 W X1
MPPT Range @ Operating Voltage	120~450 VDC	120~450 VDC	120~450 VDC
Maximum Solar Charge Current	100 A	100 A	110 A
Maximum AC Charge Current	80 A	80 A	110 A
Maximum Charge Current	100 A	100 A	110 A
<b>PHYSICAL</b>			
Dimension, D x W x H (mm)	500 X 300 X 140		500 X 600 X 140
Net Weight (kgs)	12.5	18	21
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		

Note: Product specifications are subject to change without further notice.

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