

REVO -E PLUS Series

Hybrid Energy Storage Inverter



Battery Optional



1kW=1kVA



On&Off Grid



Wi-Fi Function

Product Snapshot

Model: 3-5.5kW

Nominal Voltage: 220/230/240VAC

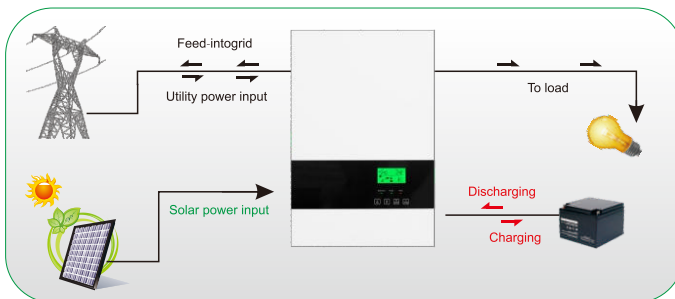
Frequency Range: 50Hz/60Hz



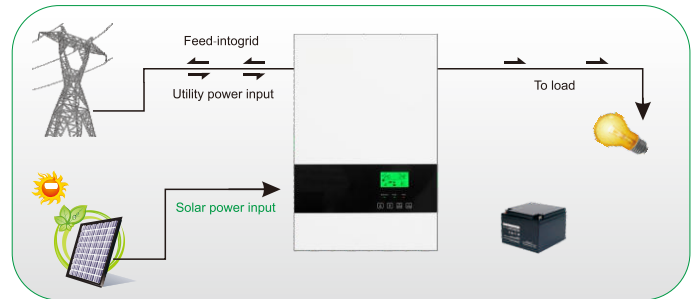
With Touch Buttons

Hybrid Operation

With battery connected



Without battery connected



Key Features:

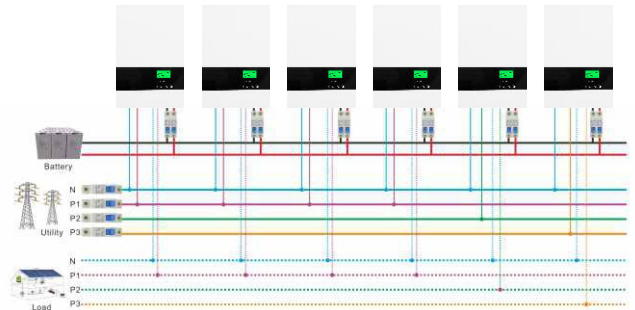
- Hybrid solar inverter(on/off grid inverter).
- Output power factor PF=1.0 .
- On-grid with energy storage .
- Configurable AC/Solar Charger priority via LCD setting .
- Smart battery charger design for optimized battery performance .
- Compatible to mains voltage or generator power .
- Overload ,Over temperature ,Short circuit protection , Fault record ,History record .
- External WIFI devices .
- Parallel operation with up to 9 units .



■ Single phase output up to 49.5 KW using 9 units



■ Three phase output using either 3 units(16.5KW)or max 9 units(49.5KW)



REVO-E PLUS Series

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

MODEL	REVO E PLUS 3k-24	REVO E PLUS 3.2k-48	REVO E PLUS 5.5k-48
Max PV Array Power	5000W		
Rated Output Power	3000W	3200W	5500W
Maximum PV Array Open Circuit Voltage	500VDC		
MPPT Range @ Operating Voltage	120-450VDC		
GRID-TIE OPERATION			
GRID OUTPUT (AC)			
Nominal Output Voltage	220/230/240VAC		
Output Voltage Range	184-265VAC		
Nominal Output Current	13.6A/13.0A/12.5A	14.5A/13.9A/13.3A	25A/23.9A/22.9A
Efficiency	Up to 93.5%		
OFF-GRID, HYBRID OPERATION			
GRID INPUT			
Acceptable Input Voltage Range	120-280VAC		
Frequency Range	50Hz/60Hz (Auto sensing)		
BATTERY MODE OUTPUT (AC)			
Nominal Output Voltage	220/230/240VAC		
Output Wave form	Pure sine wave		
BATTERY & CHARGER			
Nominal DC Voltage	24VDC	48VDC	
Maximum Solar Charge Current	90A		
Maximum AC Charge Current	60A		
Maximum Charge Current	90A		
Emergency output power			
Maximum output Power	3000W	3200W	5500W
Surge Power	6000W	6400W	11000W
Automatic Transfer Time	<8ms		
GENERAL			
INTERFACE			
Parallel Function	Yes		
Communication	USB or RS232/Dry-Contact		
ENVIRONMENT			
Humidity	0~90% RH (No Condensing)		
Operating Temperature	0 to 50°C		
Net Weight(KG)	9	10	
Rough Weight(KG)	10	11	
Dimension (W x D x H)mm	115x300x400		

Note:Product specifications are subject to change without further notice.
SSI20-0000007-30

REVO-II Series

Hybrid Energy Storage Inverter

3-5.5KVA

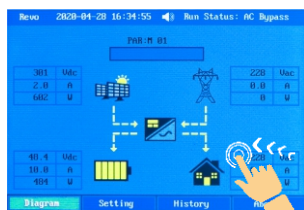


Product Snapshot

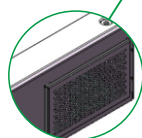
Model: 3-5.5kW

Nominal Voltage: 220/230/240VAC

Frequency Range: 50Hz/60Hz



Touch Display Screen

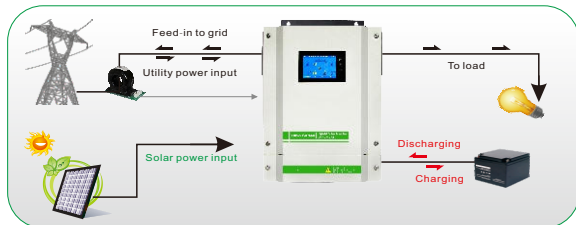


Dust Proof

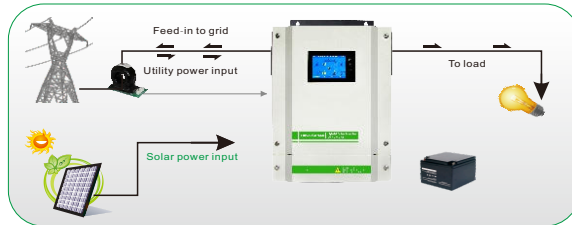


Hybrid Operation

With battery connected

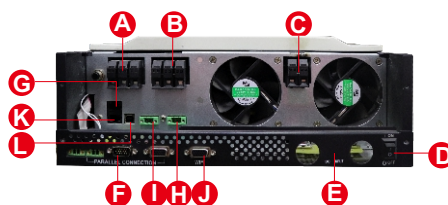


Without battery connected

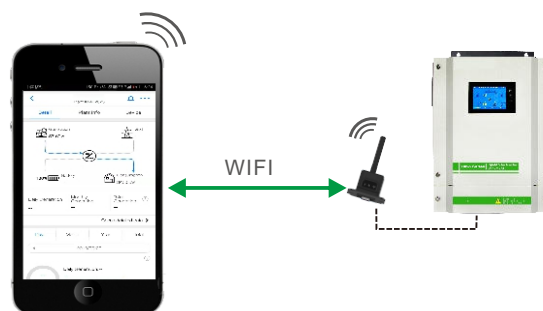


Key Features:

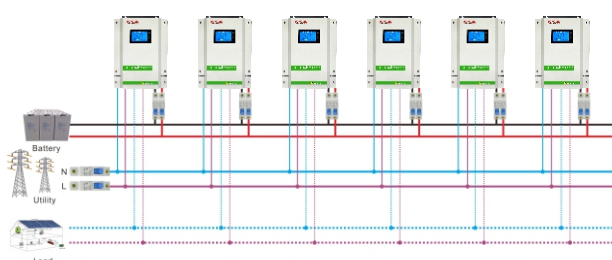
- Touch screen display.
- PV and utility power the load at the same time (can be set).
- Output power factor PF=1.0.
- On&Off Grid with energy storage.
- Energy generated record, load record, history information and fault record.
- Structure with dust filter.
- AC charging start and stop time setting.
- External Wi-Fi device optional.
- Parallel operation up to 9 units.
- Connected with battery optional.
- Wide PV input range 120-450VDC.
- Independent CPU.
- MAX PV Array power 5500W.
- Solar and Utility supply power to the load When solar power is not sufficient to load.
- The CT sensor will monitor the power consumption of the system and will make sure no excess PV power is delivered to the Grid.



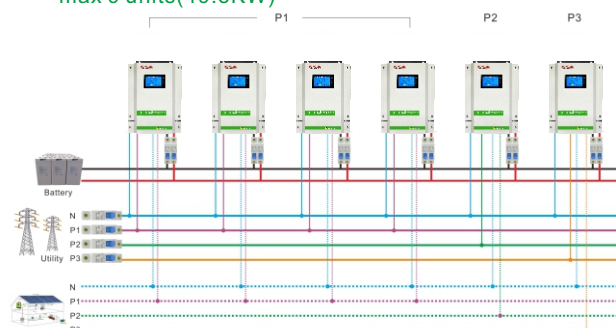
- A AC input
- B AC output
- C PV input
- D ON/OFF switch
- E DC input
- F Parallel connection terminal
- G CAN
- H Generator dry contactor
- I CT
- J Wifi
- K RS232
- L USB



■ Single phase output up to 49.5KW using 9 units



■ Three phase output using either 3 units(16.5KW) or max 9 units(49.5KW)



REVO-II Series

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

MODEL	REVO II 3k-24	REVO II 3.2k-48	REVO II 5.5k-48
Max PV Array Power		5500W	
Rated Output Power	3000W	3200W	5500W
MPPT Range @ Operating Voltage		120-450VDC	
GRID-TIE OPERATION			
GRID OUTPUT (AC)			
Nominal Output Voltage		220/230/240VAC	
Output Voltage Range		184-265VAC	
Nominal Output Current	13.6A/13.0A/12.5A	14.5A/13.9A/13.3A	20.5A/19.6A/18.8A
Efficiency		up to 93%	
OFF-GRID, HYBRID OPERATION			
GRID INPUT			
Acceptable Input Voltage Range		120-280VAC or 170-280 VAC	
Frequency Range		50Hz/60Hz (Auto sensing)	
BATTERY MODE OUTPUT (AC)			
Nominal Output Voltage		220/230/240VAC	
Output Wave Form		Pure sine wave	
BATTERY & CHARGER			
Nominal DC Voltage	24VDC	48VDC	
Maximum AC Charge Current		60A	
Maximum Charge Current(AC+PV)		90A	
Emergency output power			
Maximum output Power	3000W	3200W	5500W
Surge Power	6000W	6400W	11000W
Automatic Transfer Time		<10ms	
GENERAL			
INTERFACE			
Parallel Function		Yes	
Communication		USB or RS232,WIFI, Generator dry-Contact	
ENVIRONMENT			
Humidity		0~90% RH (No Condensing)	
Operating Temperature		0 to 50°C	
Net Weight(KG)	11.75		11.9
Gross Weight(KG)	12.75		13.1
Dimension (W x D x H)mm		345x476x133.2	

Note:Product specifications are subject to change without further notice.
SSI20-0000010-28

REVO VM II Series

Off Grid Energy Storage Inverter

3-5.5KVA



Product Snapshot

Model: 3-5.5kW

Nominal Voltage: 230VAC

Frequency Range: 50Hz/60Hz

Anti-Dust Kit:

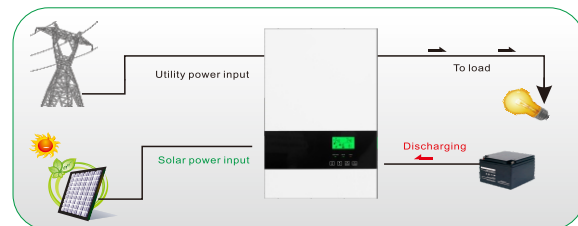
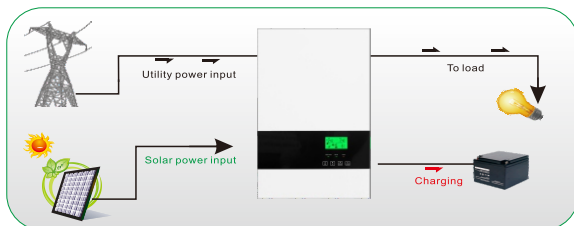
After installing this anti-dust kit, inverter will automatically detect this kit and activate internal thermal sensor to adjust internal temperature. By virtue of the dustproof design, it dramatically increases product reliability in harsh environment.

Key Features:

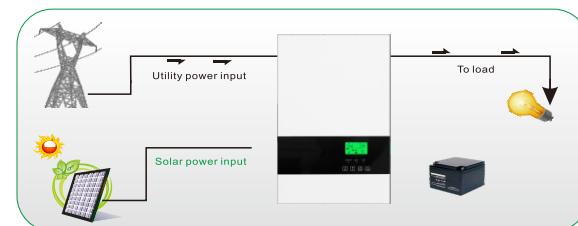
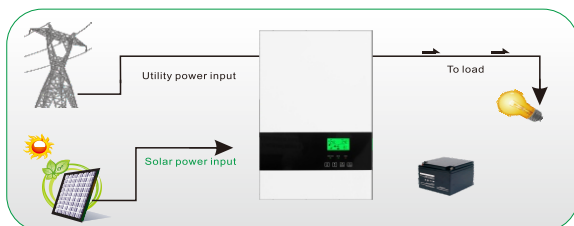
- Pure sine wave solar inverter
- Output power factor 1
- Parallel operation up to 9 units
- High PV input voltage range
- Battery independent design
- Built-in 100A MPPT solar charger
- Battery equalization function to optimize battery performance and extend lifecycle
- Built-in anti-dusk kit for harsh environment

Hybrid Operation

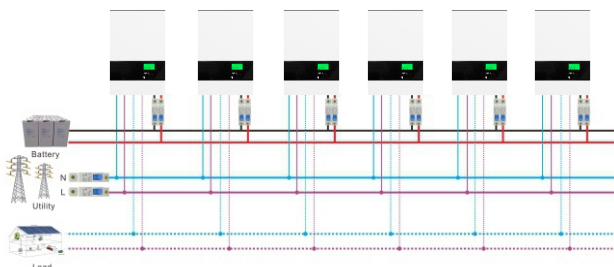
With battery connected



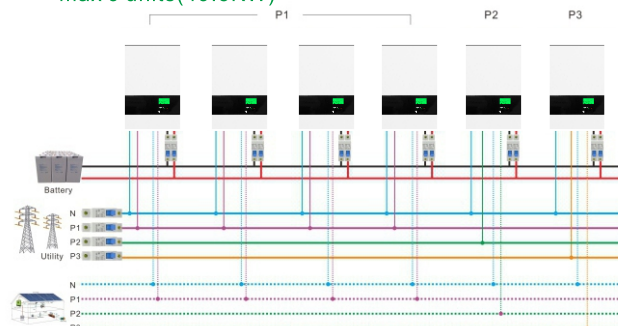
Without battery connected



■ Single phase output up to 49.5KW using 9 units



■ Three phase output using either 3 units(16.5KW)or max 9 units(49.5KW)



REVO VM II Series

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

MODEL	REVO VM II 3000-24	REVO VM II 5500-48
Rated Power	3000VA / 3000W	5500VA / 5500W
INPUT		
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)	
OUTPUT		
AC Voltage Regulation (Batt. Mode)	230VAC ± 5%	
Surge Power	6000VA	11000VA
Efficiency (Peak)	up to 93.5%	
Transfer Time	10 ms (For Personal Computers) ; 20 ms (For Home Appliances)	
Waveform	Pure sine wave	
BATTERY		
Battery Voltage	24 VDC	48 VDC
Floating Charge Voltage	27 VDC	54 VDC
Overcharge Protection	33 VDC	63 VDC
SOLAR CHARGER & AC CHARGER		
Maximum PV Array Open Circuit Voltage	500 VDC	500 VDC
Maximum PV Array Power	5500 W	5500 W
MPPT Range @ Operating Voltage	120~450 VDC	120~450 VDC
Maximum Solar Charge Current	100 A	100 A
Maximum AC Charge Current	80 A	80 A
Maximum Charge Current	100 A	100 A
PHYSICAL		
Dimension, D x W x H (mm)	100 x 300 x 440	
Net Weight (kgs)	9	10
Communication Interface	USB/RS232	
ENVIRONMENT		
Humidity	5% to 95% Relative Humidity (Non-condensing)	
Operating Temperature	-10°C to 50°C	
Storage Temperature	-15°C to 60°C	
SPECIAL FUNCTION		
Supports lithium battery BMS communication		

Note: Product specifications are subject to change without further notice.
SSI20-0000012-04

REVO VM III Series

Solar Energy Storage Inverter

3-5KVA

Battery Optional

1kW=1kVA

Bluetooth



Product Snapshot

Model: 3-5kW

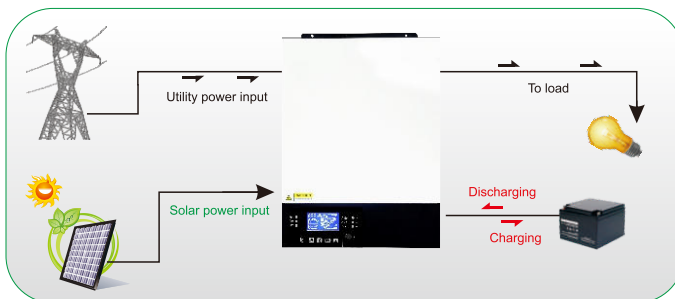
Nominal Voltage: 230VAC

Frequency Range: 50Hz/60Hz

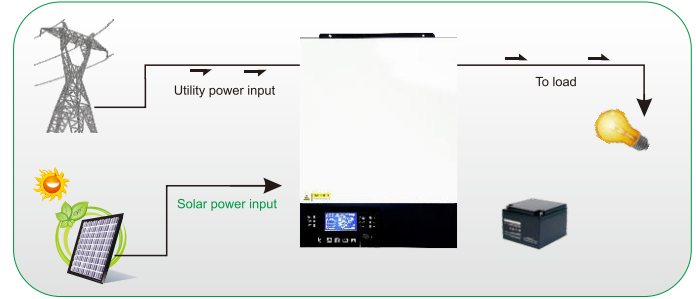


Battery independency

With battery connected

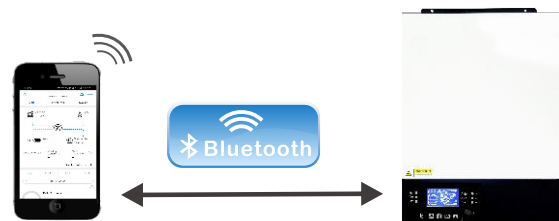


Without battery connected



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 Specication Built-in MPPT Solar Controller

MODEL	REVO VM III 3k-24	REVO VM III 5k-48
Rated Power	3000VA/3000W	5000VA/5000W
INPUT		
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)	
SOLAR CHARGER & AC CHARGER		
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	
BATTERY		
Battery Voltage	24 VDC	48 VDC
Floating Charge Voltage	27 VDC	54 VDC
Overcharge Protection	33 VDC	63 VDC
OUTPUT		
AC Voltage Regulation (Batt. Mode)	230VAC ± 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	
PHYSICAL		
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	
OPERATING ENVIRONMENT		
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.
SSI20-0000010-28

REVO VP/VM Series

Solar Energy Storage Inverter

1-5KVA

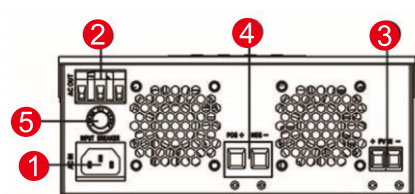


Product Snapshot

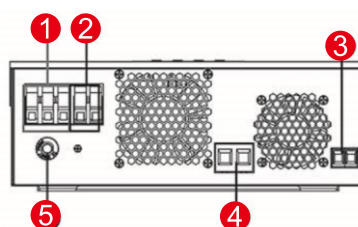
Model: 1-5kW

Nominal Voltage: 230VAC

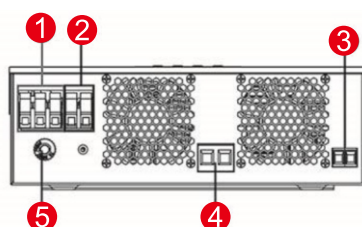
Frequency Range: 50Hz/60Hz



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	
INPUT								
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)							
OUTPUT								
AC Voltage Regulation (Batt. Mode)	230VAC ± 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							
BATTERY								
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	
SOLAR CHARGER & AC CHARGER								
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
PHYSICAL								
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							
ENVIRONMENT								
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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