

Product Catalogue



High
Reliability



Smart &
Safe



Compact
Designs



User
Friendly

ONE STEP TO KNOW US!

Your Go-to Source for One Stop Solar Solutions!

Solon Power Technology Shenzhen Co Ltd providing the cost effective renewable energy products to corporate, residential and commercial sectors. Keeping in view the above and our commitment for a healthy planet with less carbon intensive economy.

We are specialized to design and provide the state of the art products of different range in solar Inverters, batteries, charge controllers, related accessories and equipment which are equipped with latest technology.

Customer Satisfaction is Our Pride!

Our clients are from different countries and sector like Residential, Commercial, Industrial, Educational Institutes and Agricultural Lands. From houses to community living setups, we have provided them with uninterrupted alternate energy.

We believe in a well-designed strategy and execute our projects in a creative and inventive manner and became trend setter with hard work, sincere dedication and uniqueness style to carry out energy efficient, cost effective and space savings projects. Our team members and Partners have completed numbers of projects. We conduct surveys and perform research beforehand so as to make every project give it maximum yield with considering the cost and space constraints as well as its effectiveness.

Our Widespread Network!

We have International Sales and Distribution Network works efficiently to provide renewable energy solutions especially solar products in minimum possible time while maintaining the best of the quality.

WIDE RANGE OF SOLAR INVERTERS

ON-GRID

1.5 TO 125KW

OFF-GRID

1.5 TO 11KW

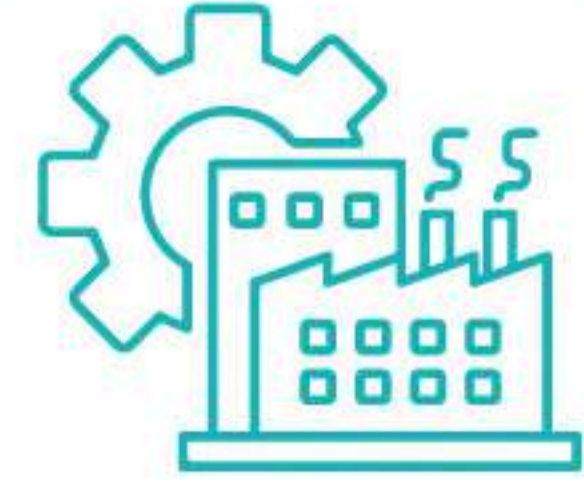
HYBRID

1.5 TO 30KW



We at Solon Power, keep up with the needs of times and provide our clients with the best solar solutions to the best of their satisfaction and contentment while considering "Go Green Before Green Gone".

OUR CORE VALUES



01

Manufacturing

Quality based manufacturing with scale, semi-automation, and processes for just in time and build to order requirements



02

Experience

16+ years of professional experience in the power market, and knowledge of country specific power specifications



03

Innovation

our team continuously introduce new innovations in the energy efficiency, functional safety and intelligent solutions of inverter and energy storage products



04

Client Relationships

To enable everyone to benefit from sustainable energy



05

R&D

Innovative design with industry-leading technology and energy efficiency



800W-1500W (12V - 24V) OFF GRID INVERTER

PRODUCT FEATURES

Pure sine wave inverter.

Compatible to AC mains or generator power.

Configurable AC/Solar input priority via LCD setting.

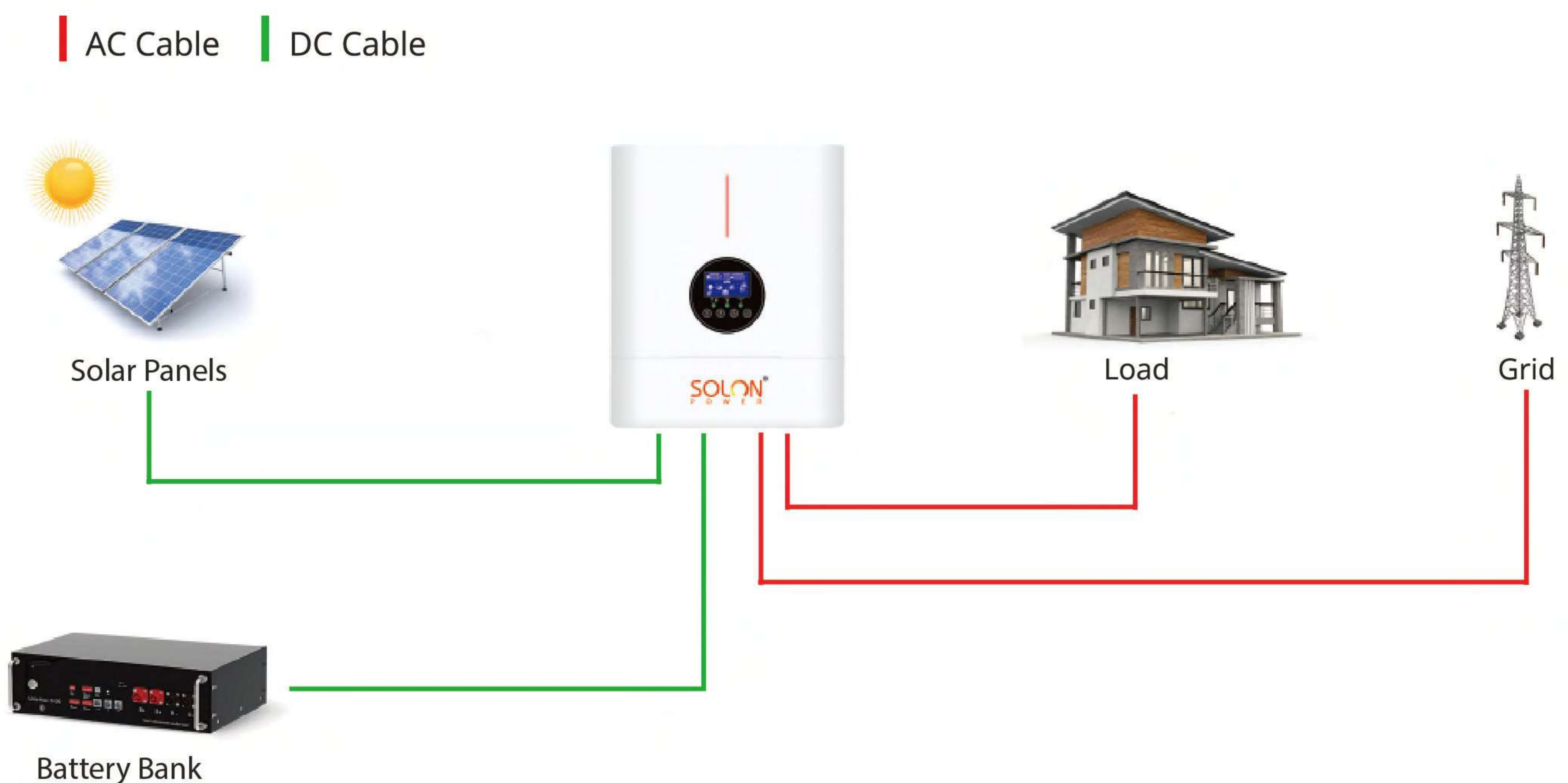
Cold start function.

Overload/ Over temperature/short circuit protection.

Selectable input voltage range for home appliances and personal computers.

Built-in MPPT solar controller.

Auto restart while AC is recovering.



DATASHEET	SOLON-800-12-ECO	SOLON-1500-24-ECO
RATED POWER	800W	1500W
INPUT		
Voltage	230 VAC	
Frequency Range	170-280 VAC (For Personal Computers) 90-280 VAC (For Home Appliances) 50 Hz/60 Hz (Auto sensing)	
OUTPUT		
AC Voltage Regulation (Batt. Mode)	230VAC ± 5%	
Surge Power	1600VA	3000VA
Efficiency (Peak) PV to INV	97%	
Efficiency (Peak) Battery to INV	94%	
Transfer Time	10 ms (For Personal Computers) ; 20 ms (For Home Appliances)	
Waveform	Pure sine wave	
BATTERY & AC CHARGER		
Battery Voltage	12 VDC	24 VDC
Floating Charge Voltage	13.5 VDC	27 VDC
Overcharge Protection	16 VDC	33 VDC
Maximum Charge Current	50 A	
SOLAR CHARGER		
Maximum PV Array Power	800W	1500W
MPPT Range @ Operating Voltage	20 ~ 110 VDC	
Maximum PV Array Open Circuit Voltage	145 VDC	
Maximum Charging Current	50 A	
Maximum Efficiency	98%	
PHYSICAL		
Dimension, D x W x H (mm)	240*340*100	
Net Weight (kgs)	5.1	6.2
OPERATING ENVIRONMENT		
Humidity	5% to 95% Relative Humidity(Non-condensing)	
Operating Temperature	0°C - 55°C	
Storage Temperature	-15°C - 60°C	

Product specifications are subject to change without further notice.

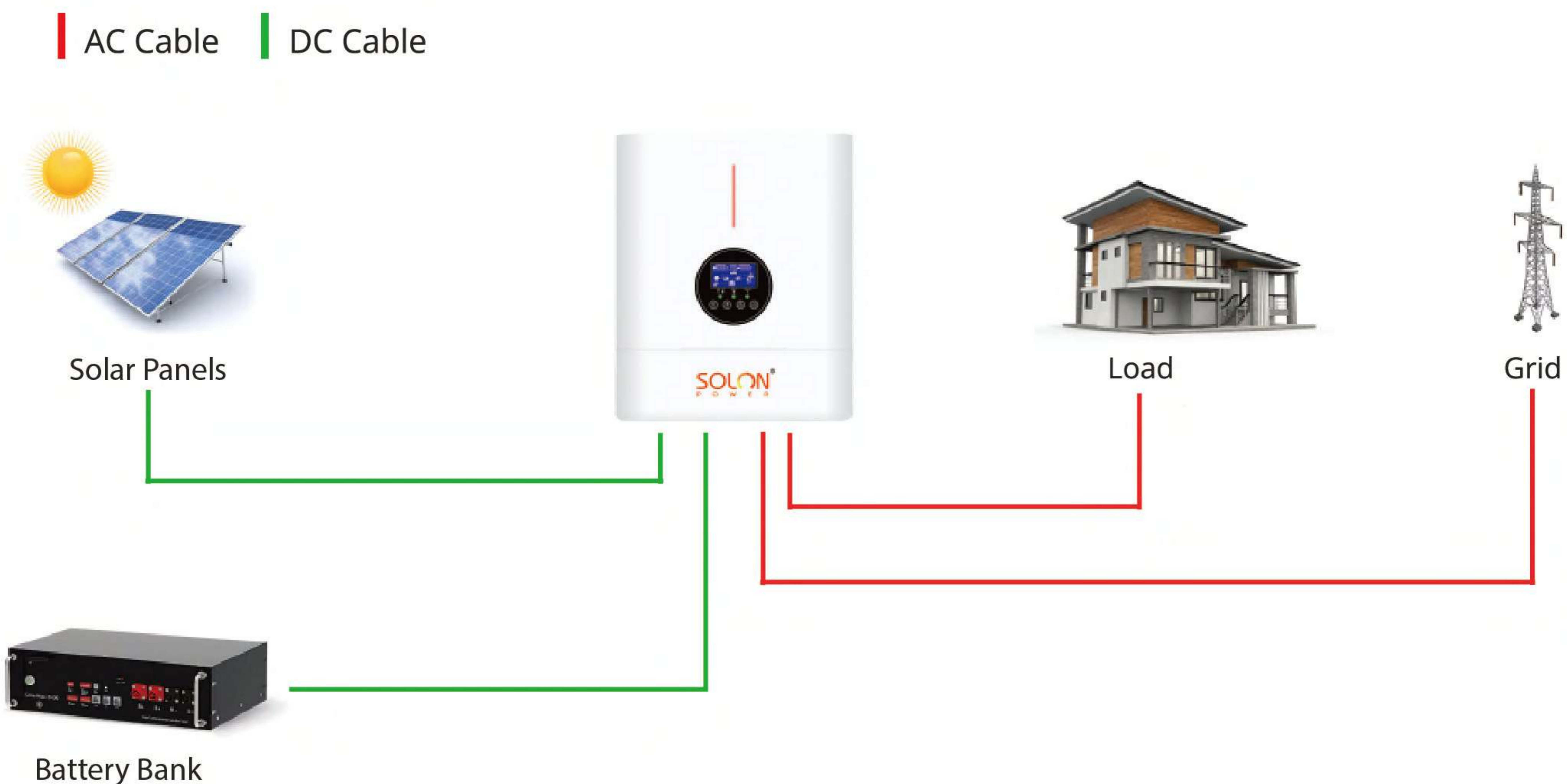


1500W-2500W (12V - 24V) OFF GRID INVERTER

PRODUCT FEATURES

- Pure sine wave inverter.
- Compatible to AC mains or generator power.
- Configurable AC/Solar input priority via LCD setting.
- Cold start function.
- Overload/ Over temperature/short circuit protection.

- Selectable input voltage range for home appliances and personal computers.
- Built-in MPPT solar controller.
- Auto restart while AC is recovering.
- Status indication with RGB lights.



DATASHEET	SOLON-1500-12-ECO	SOLON-2500-24-ECO
RATED POWER	1500W	2500W
INPUT		
Voltage	230 VAC	
Frequency Range	170-280 VAC (For Personal Computers) 90-280 VAC (For Home Appliances) 50 Hz/60 Hz (Auto sensing)	
OUTPUT		
AC Voltage Regulation (Batt. Mode)	230VAC ± 5%	
Surge Power	3000VA	5000VA
Efficiency (Peak) PV to INV	97%	
Efficiency (Peak) Battery to INV	94%	
Transfer Time	10 ms (For Personal Computers) ; 20 ms (For Home Appliances)	
Waveform	Pure sine wave	
BATTERY & AC CHARGER		
Battery Voltage	12 VDC	24 VDC
Floating Charge Voltage	13.5 VDC	27 VDC
Overcharge Protection	16 VDC	33 VDC
Maximum Charge Current	80 A	
SOLAR CHARGER		
Maximum PV Array Power	2000W	3000W
MPPT Range @ Operating Voltage	60 ~ 430 VDC	
Maximum PV Array Open Circuit Voltage	450 VDC	
Maximum Charging Current	80 A	
Maximum Efficiency	98%	
PHYSICAL		
Dimension, D x W x H (mm)	128*300*363	
Net Weight (kgs)	6.9	8.5
Communication interface	USB/RS232	
OPERATING ENVIRONMENT		
Humidity	5% to 95% Relative Humidity(Non-condensing)	
Operating Temperature	0°C - 55°C	
Storage Temperature	-15°C - 60°C	

Product specifications are subject to change without further notice.



1600W-3000W (12V - 24V) OFF GRID INVERTER

PRODUCT FEATURES

Pure sine wave inverter.

Compatible to AC mains or generator power.

Configurable AC/Solar input priority via LCD setting.

Cold start function.

Overload/ Over temperature/short circuit protection.

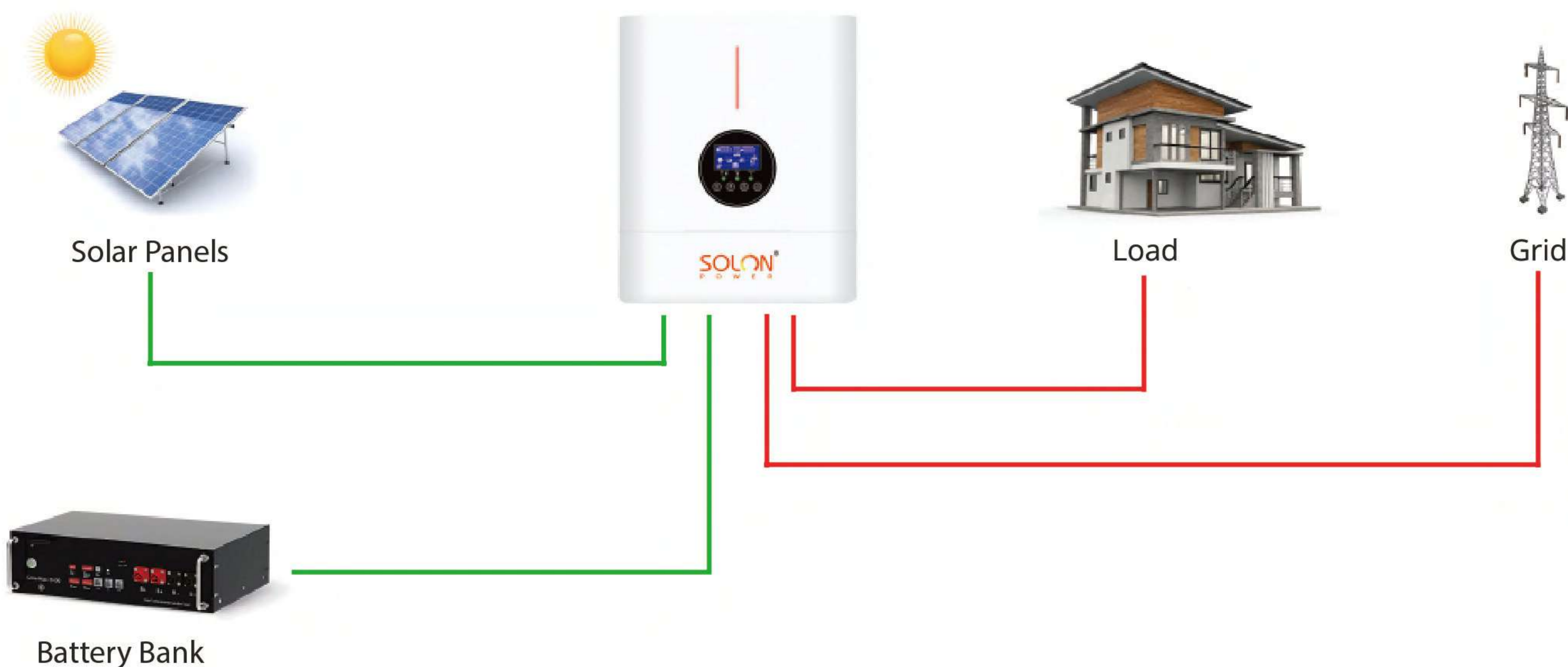
Selectable input voltage range for home appliances and personal computers.

Built-in MPPT solar controller.

Auto restart while AC is recovering.

Status indication with RGB lights.

AC Cable | DC Cable



DATASHEET	SOLON-1.6KW-12-ECO	SOLON-3KW-24-ECO
RATED POWER	1600W	3000W
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	3200VA	6000VA
Efficiency (Peak) PV to INV	97%	
Efficiency (Peak) Battery to INV	94%	
Transfer Time	10 ms (For Personal Computers) ; 20 ms (For Home Appliances)	
Output Port	single output	
Waveform	Pure sine wave	
BATTERY & AC CHARGER		
Battery Voltage	24 VDC	
Floating Charge Voltage	27 VDC	
Overcharge Protection	33 VDC	
Maximum Charge Current	80 A	
Works without Battery	YES	
SOLAR CHARGER		
Maximum PV Array Power	3000W	4000W
MPPT Range @ Operating Voltage	60 ~ 430 VDC	60 ~ 450 VDC
Maximum PV Array Open Circuit Voltage	450 VDC	500 VDC
Maximum Charging Current	80 A	
Maximum Efficiency	98%	
PHYSICAL		
Dimension, D x W x H (mm)	128*300*363	
Net Weight (kgs)	8.5	8.7
Communication interface	USB/RS232	
LCD display	General LCD	
OPERATING ENVIRONMENT		
Humidity	5% to 95% Relative Humidity(Non-condensing)	
Operating Temperature	0°C - 55°C	
Storage Temperature	-15°C - 60°C	

Product specifications are subject to change without further notice.



3500W-5600W (24V - 48V)

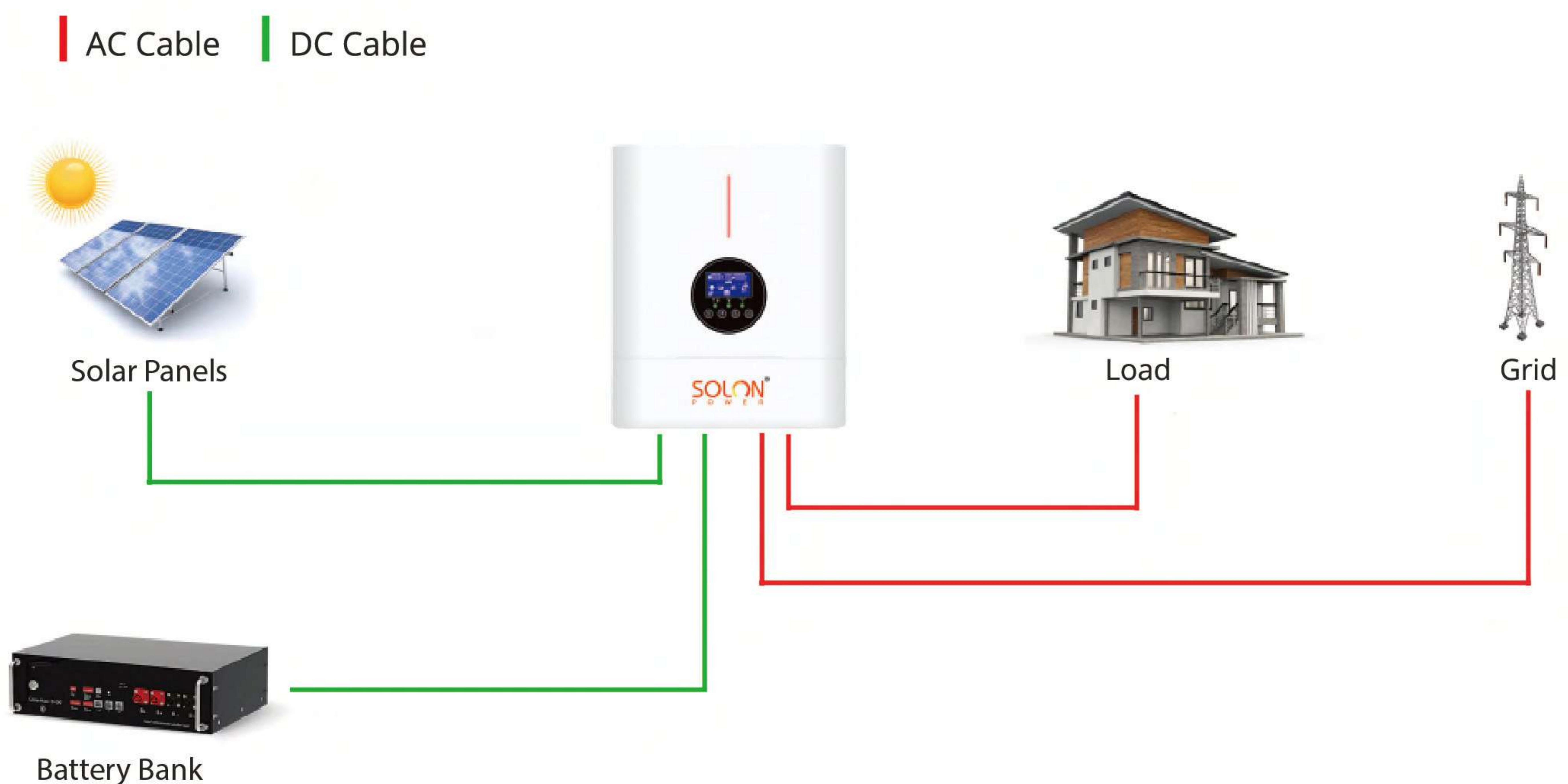
OFF-GRID & HYBRID INVERTER

Available in both options

PRODUCT FEATURES

- Pure sine wave inverter.
- Compatible to AC mains or generator power.
- Configurable AC/Solar input priority via LCD setting.
- Cold start function.
- Overload/ Over temperature/short circuit protection.

- Selectable input voltage range for home appliances and personal computers.
- Built-in MPPT solar controller.
- Auto restart while AC is recovering.
- Status indication with RGB lights.



DATASHEET	SOLON-3500-24-ECO	SOLON-5600-48-ECO
RATED POWER	3500W	5600W
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	7000VA	11200VA
Efficiency (Peak) PV to INV	97%	
Efficiency (Peak) Battery to INV	94%	
Transfer Time	10 ms (For Personal Computers) ; 20 ms (For Home Appliances)	
Output Port	single output	Dual output(Smart load)
Waveform	Pure sine wave	
BATTERY & AC CHARGER		
Battery Voltage	24 VDC	48 VDC
Floating Charge Voltage	27 VDC	54 VDC
Overcharge Protection	33 VDC	61 VDC
Maximum Charge Current	100 A(From grid)	
SOC display	Shows battery State of charge in percentage and in voltage as well	
Sleeping Mode	YES	
Battery voltage low cut off selectable	21V-24V	42V-49V
Battery High voltage range selectable	25V-30V	50-60V
Works without Battery	YES	
SOLAR CHARGER		
Maximum PV Array Power	4000W	6000W
MPPT Range @ Operating Voltage	60 ~ 450 VDC	
Maximum PV Array Open Circuit Voltage	500 VDC	
Maximum Charging Current	120 A	
Maximum Efficiency	98%	
PHYSICAL		
Dimension, D x W x H (mm)	128*300*363	
Net Weight (kgs)	8.7	10.6
Communication interface	RS485/ Wifi option(BMS Compatible with lithium battery using RS-485)	
LCD display	General LCD	
OPERATING ENVIRONMENT		
Humidity	5% to 95% Relative Humidity(Non-condensing)	
Operating Temperature	0°C - 55°C	
Storage Temperature	-15°C - 60°C	

Product specifications are subject to change without further notice.



3600W-6000W (24V - 48V)

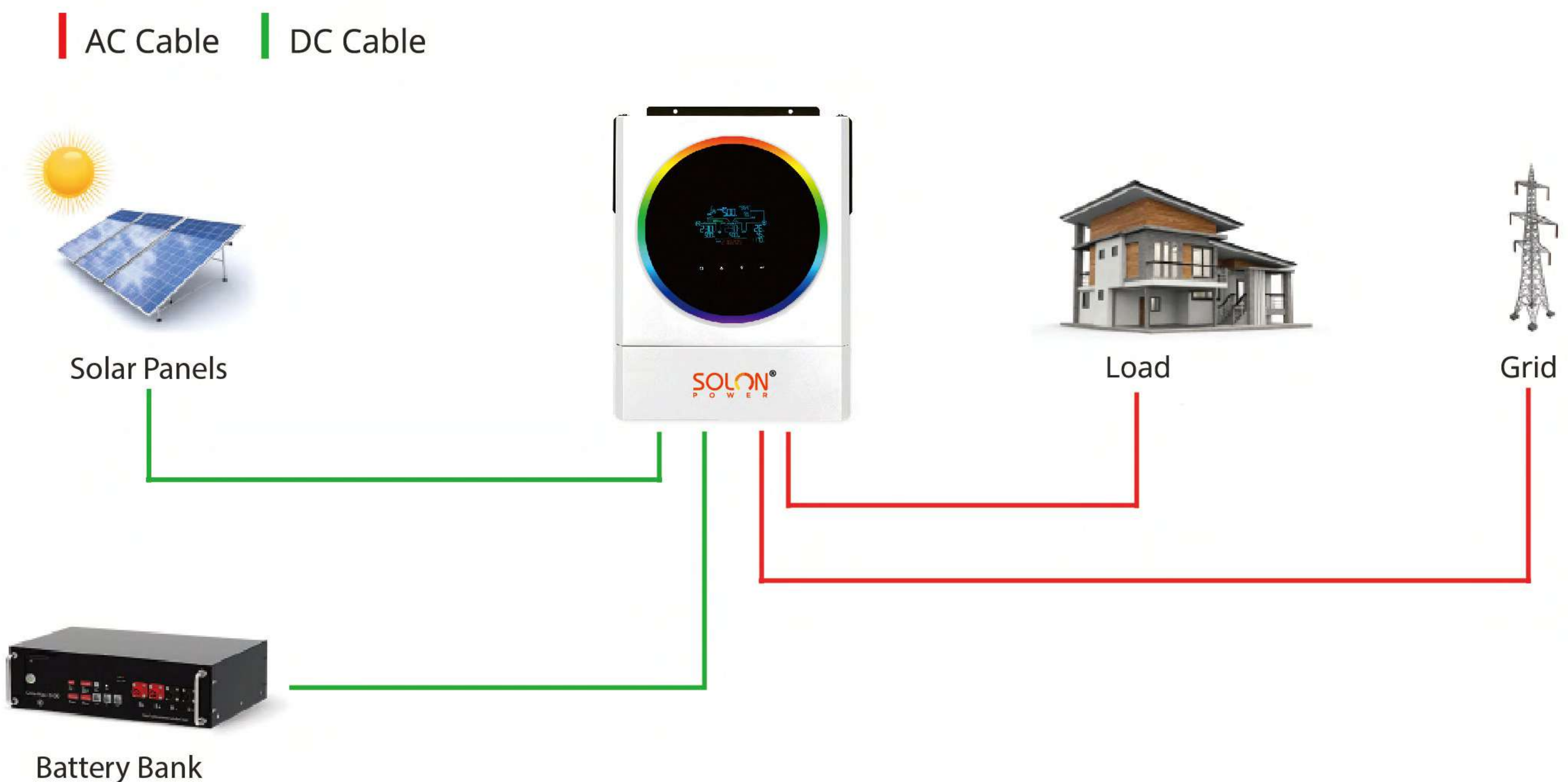
OFF-GRID & HYBRID INVERTER

Available in both options

PRODUCT FEATURES

- Pure sine wave inverter.
- Compatible to AC mains or generator power.
- Configurable AC/Solar input priority via LCD setting.
- Cold start function.
- Overload/ Over temperature/short circuit protection.

- Selectable input voltage range for home appliances and personal computers.
- Built-in MPPT solar controller.
- Auto restart while AC is recovering.
- Status indication with RGB lights.



DATASHEET	SOLON-3600-24-ECO	SOLON-6000-48-ECO
RATED POWER	3600W	6000W
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	7200VA	12400VA
Efficiency (Peak) PV to INV	97%	
Efficiency (Peak) Battery to INV	94%	
Transfer Time	10 ms (For Personal Computers) ; 20 ms (For Home Appliances)	
Output Port	single output	Dual output(Smart load)
Waveform	Pure sine wave	
BATTERY & AC CHARGER		
Battery Voltage	24 VDC	48 VDC
Floating Charge Voltage	27 VDC	54 VDC
Overcharge Protection	33 VDC	61 VDC
Maximum Charge Current	100 A(From grid)	
SOC display	Shows battery State of charge in percentage and in voltage as well	
Sleeping Mode	YES	
Battery voltage low cut off selectable	21V-24V	42V-49V
Battery High voltage range selectable	25V-30V	50-60V
Works without Battery	YES	
SOLAR CHARGER		
Maximum PV Array Power	5000W	6500W
MPPT Range @ Operating Voltage	60 ~ 450 VDC	
Maximum PV Array Open Circuit Voltage	500 VDC	
Maximum Charging Current	120 A	
Maximum Efficiency	98%	
PHYSICAL		
Dimension, D x W x H (mm)	128*300*363	
Net Weight (kgs)	8.7	10.6
Communication interface	RS485/ Wifi option(BMS Compatible with lithium battery using RS-485)	
LCD display	General LCD	
OPERATING ENVIRONMENT		
Humidity	5% to 95% Relative Humidity(Non-condensing)	
Operating Temperature	0°C - 55°C	
Storage Temperature	-15°C - 60°C	

Product specifications are subject to change without further notice.



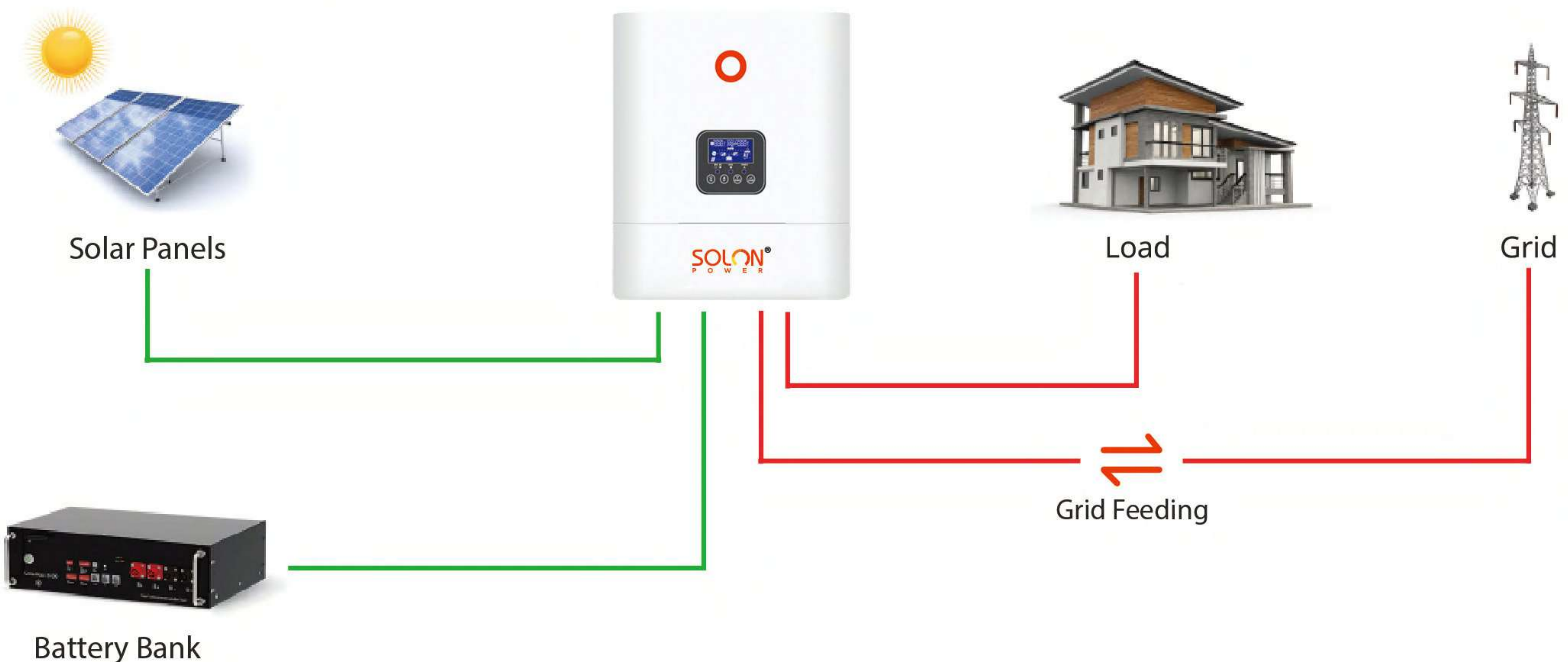
1500W-3000W (12V - 24V) HYBRID INVERTER

PRODUCT FEATURES

- A combination of inverter, solar charger and battery charger.
- Powerful bypass function with uninterrupted power supply function.
- Configurable AC/Solar input priority via LCD setting.
- Compatible with mains voltage or generator power.
- Overload, short circuit, over discharge protection.
- Status indication with RGB lights.
- Self-consumption and Feed-in to the grid.

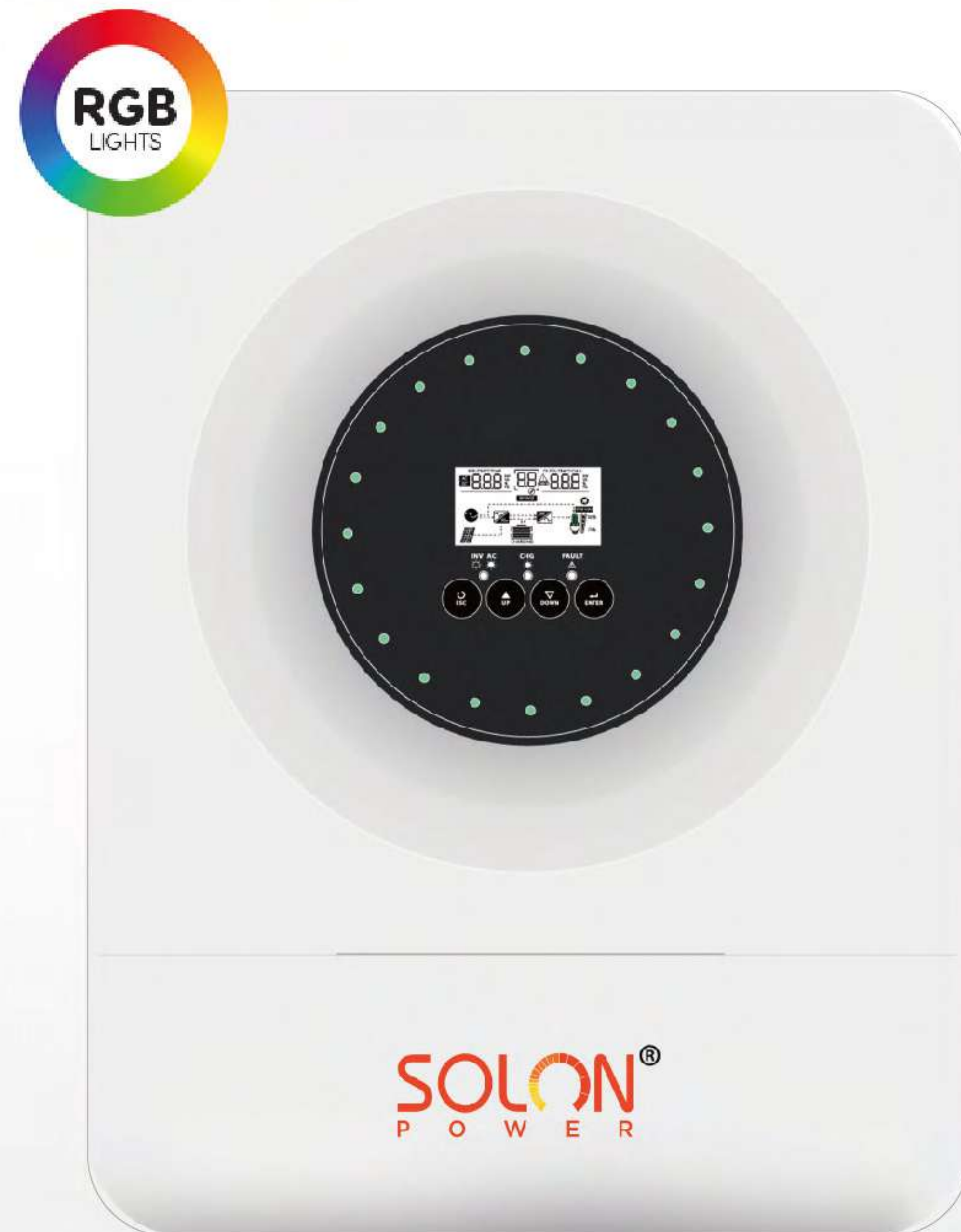
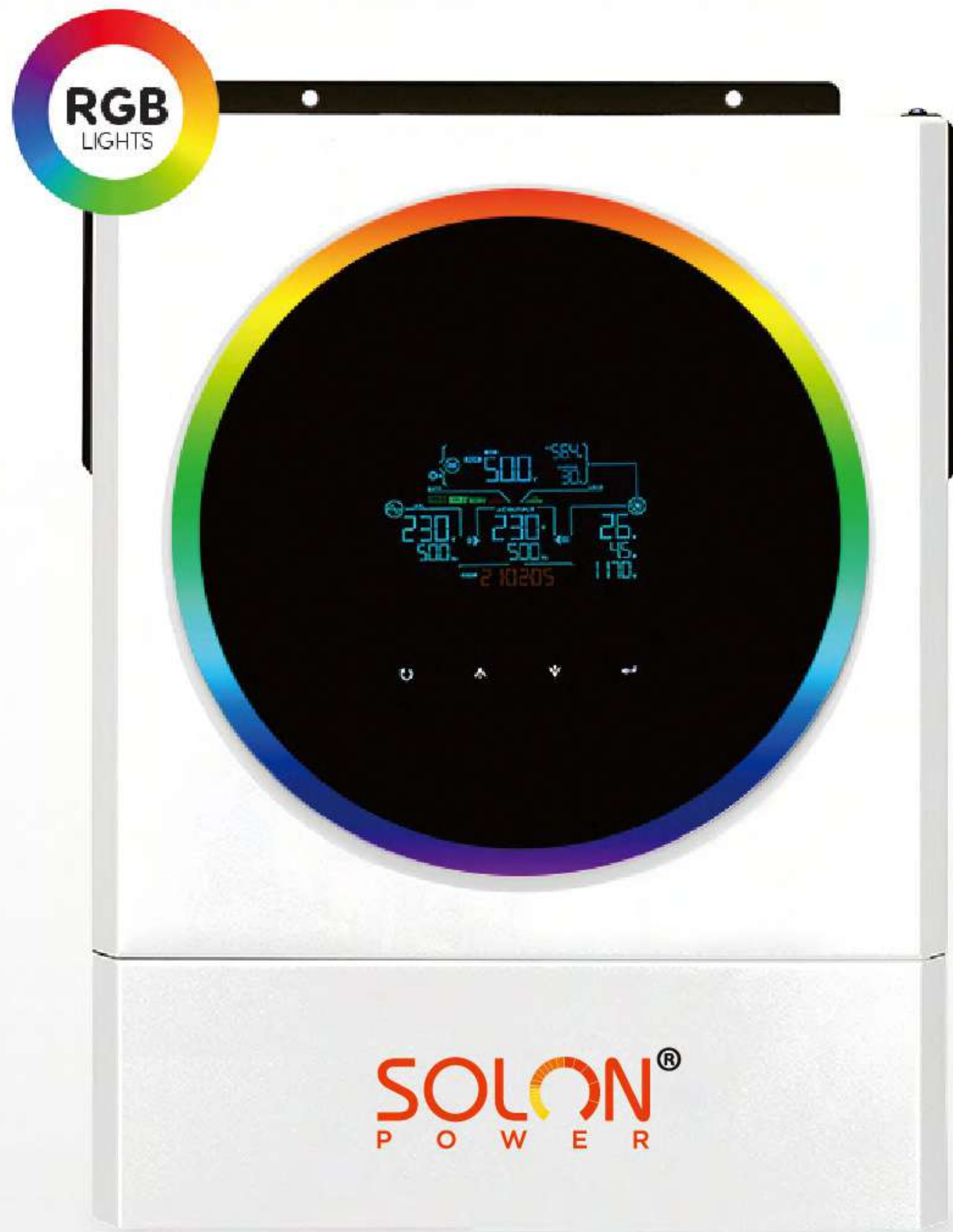
- Compatible with AGM/Sealed, Gel, Flooded, Lithium batteries and a User Mode for custom inputs to work with virtually all battery types
- MPPT solar charge controller to maximize and regulate DC power from the solar array to charge the battery bank.
- Cold start and the smart battery charger design optimizes battery performance.
- Programmable multiple operation modes: Grid-tie, off-grid and grid-tie with backup.

AC Cable | DC Cable



DATASHEET	SOLON-1500-12-HYD	SOLON-3000-24-HYD
Max. PV Array Power	2000W	4000W
Rated Output Power	1500W	3000W
Maximum PV Array Open Circuit Voltage	500VDC	
MPPT Range @ Operating Voltage	60Vdc-430Vdc	
MPPT Tracker Number	1	
GRID-TIE OPERATION		
GRID OUTPUT (AC)		
Nominal Output Voltage	220/230/240 VAC	
Output Voltage Range	184 - 264.5 VAC or 195.5 - 253 VAC (Selectable)	
Nominal Output Current	6.5A	13A
Power Factor	> 0.99	
EFFICIENCY		
Maximum Conversion Efficiency (DC/AC)	95%	95%
OFF-GRID, HYBRID OPERATION		
GRID INPUT		
Acceptable Input Voltage Range	90 - 280 VAC or 170 - 280 VAC	
Frequency Range	50 Hz/60 Hz (Auto sensing)	
Maximum AC Input Current	30A	30A
BATTERY MODE OUTPUT (AC)		
Nominal Output Voltage	220/230/240 VAC	
Output Waveform	Pure sine wave	
Efficiency (DC to AC)	93%	
BATTERY & CHARGER		
Nominal DC Voltage	12Vdc	24Vdc
Maximum Solar Charge Current	80 A	80 A
Maximum AC Charge Current	80 A	80 A
Maximum Charge Current	80 A	
GENERAL		
PHYSICAL		
Dimension, D x W x H (mm)	128*300*363	
Net Weight (kgs)	6.9	8.5
INTERFACE		
Communication Ports	USB/RS232/RS485/WIFI	
ENVIRONMENT		
Humidity	0 ~ 90% RH (Non-condensing)	
Operating Temperature	-10°C to 50°C	

Product specifications are subject to change without further notice.

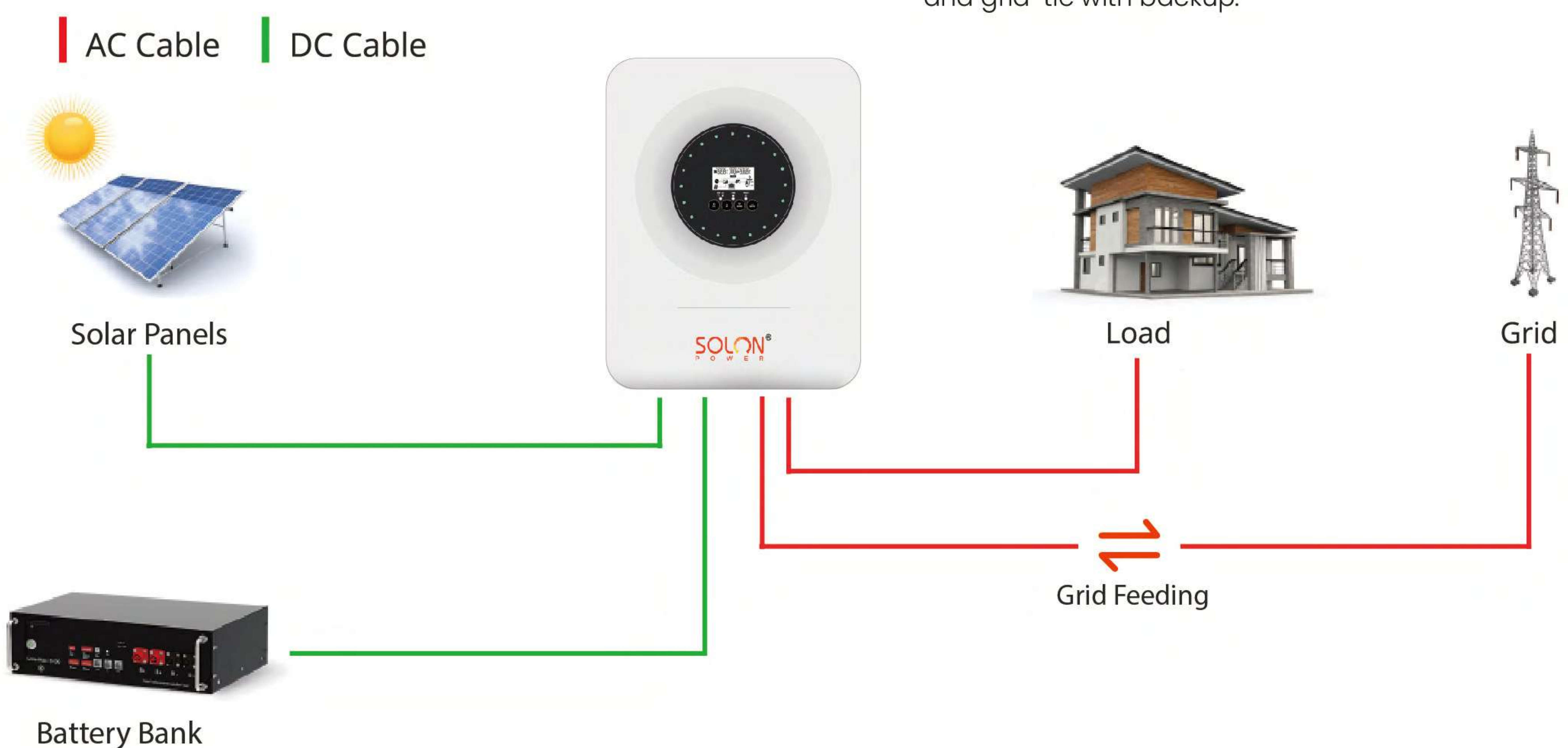


3600W-6000W (24V - 48V) HYBRID INVERTER

PRODUCT FEATURES

- A combination of inverter, solar charger and battery charger.
- Powerful bypass function with uninterrupted power supply function.
- Configurable AC/Solar input priority via LCD setting.
- Compatible with mains voltage or generator power.
- Overload, short circuit, over discharge protection.
- Status indication with RGB lights.
- Built-in Wifi for APP Remote Monitoring
- Self-consumption and Feed-in to the grid.

- Compatible with AGM/Sealed, Gel, Flooded, Lithium batteries and a User Mode for custom inputs to work with virtually all battery types
- MPPT solar charge controller to maximize and regulate DC power from the solar array to charge the battery bank.
- Cold start and the smart battery charger design optimizes battery performance.
- Programmable multiple operation modes: Grid-tie, off-grid and grid-tie with backup.



DATASHEET	SOLON-3600-24-HYD	SOLON-6000-48-HYD
Max. PV Array Power	5000W	6500W
Rated Output Power	3600W	6000W
Maximum PV Array Open Circuit Voltage	500VDC	500VDC
MPPT Range @ Operating Voltage	60Vdc-450Vdc	
MPPT Tracker Number	1	
GRID-TIE OPERATION		
GRID OUTPUT (AC)		
Nominal Output Voltage	220/230/240 VAC	
Output Voltage Range	184 - 264.5 VAC or 195.5 - 253 VAC (Selectable)	
Nominal Output Current	14.5A	26.1A
Power Factor	> 0.99	
EFFICIENCY		
Maximum Conversion Efficiency (DC/AC)	95%	95%
OFF-GRID, HYBRID OPERATION		
GRID INPUT		
Acceptable Input Voltage Range	90 - 280 VAC or 170 - 280 VAC	
Frequency Range	50 Hz/60 Hz (Auto sensing)	
Maximum AC Input Current	40A	40A
BATTERY MODE OUTPUT (AC)		
Nominal Output Voltage	220/230/240 VAC	
Output Waveform	Pure sine wave	
Efficiency (DC to AC)	93%	
BATTERY & CHARGER		
Nominal DC Voltage	24Vdc	48Vdc
Maximum Solar Charge Current	120 A	120 A
Maximum AC Charge Current	100 A	100 A
Maximum Charge Current	120 A	
GENERAL		
PHYSICAL		
Dimension, D x W x H (mm)	128*300*363	
Net Weight (kgs)	8.7	10.6
INTERFACE		
Communication Ports	USB/RS232/RS485/WIFI	
ENVIRONMENT		
Humidity	0 ~ 90% RH (Non-condensing)	
Operating Temperature	-10°C to 50°C	

Product specifications are subject to change without further notice.

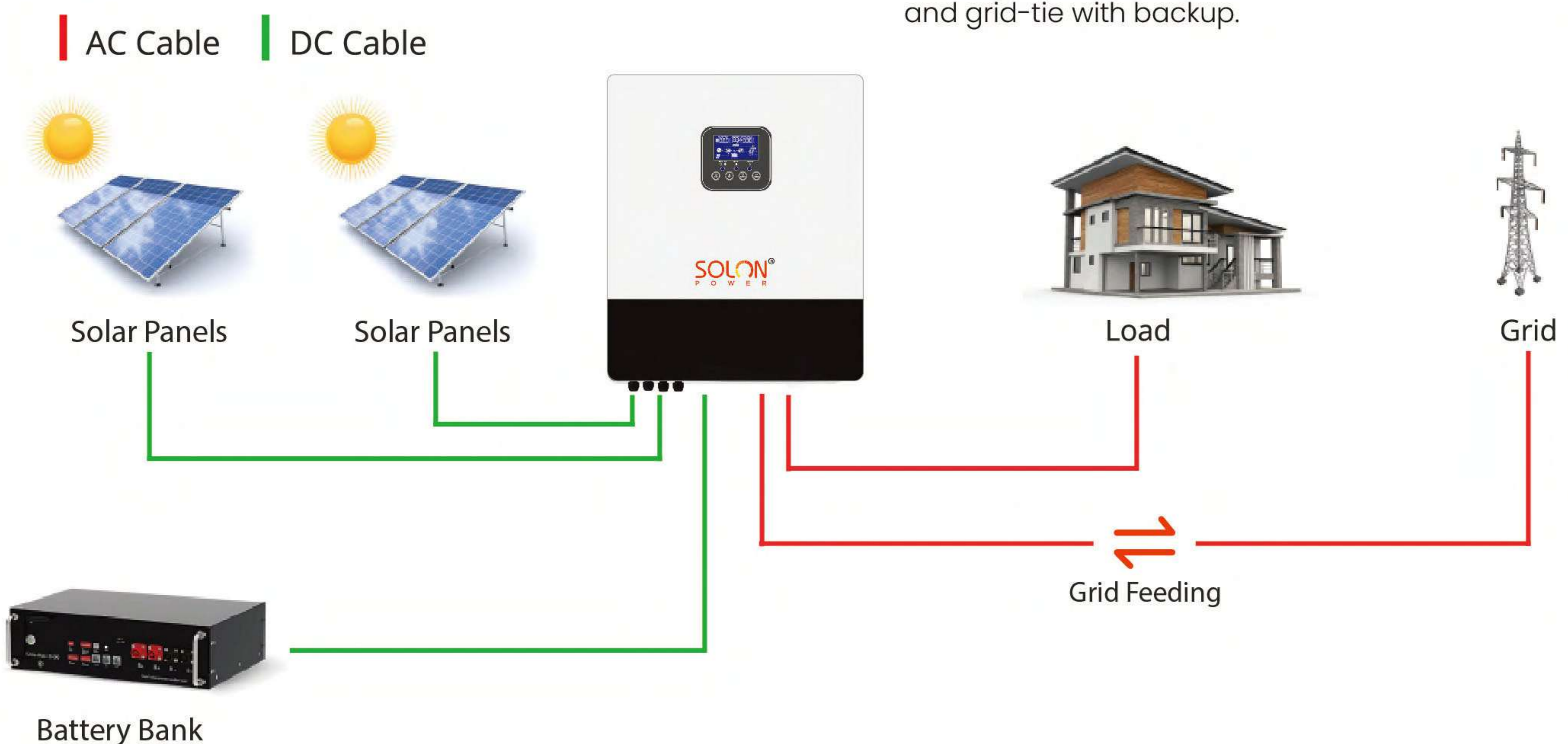


8600W-11000W (48V) HYBRID INVERTER

PRODUCT FEATURES

- A combination of inverter, solar charger and battery charger.
- Powerful bypass function with uninterrupted power supply function.
- Configurable AC/Solar input priority via LCD setting.
- Compatible with mains voltage or generator power.
- Overload, short circuit, over discharge protection.
- Status indication with RGB lights.
- Touch buttons with colored LCD Display
- Self-consumption and Feed-in to the grid.

- Compatible with AGM/Sealed, Gel, Flooded, Lithium batteries and a User Mode for custom inputs to work with virtually all battery types
- MPPT solar charge controller to maximize and regulate DC power from the solar array to charge the battery bank.
- Cold start and the smart battery charger design optimizes battery performance.
- Programmable multiple operation modes: Grid-tie, off-grid and grid-tie with backup.

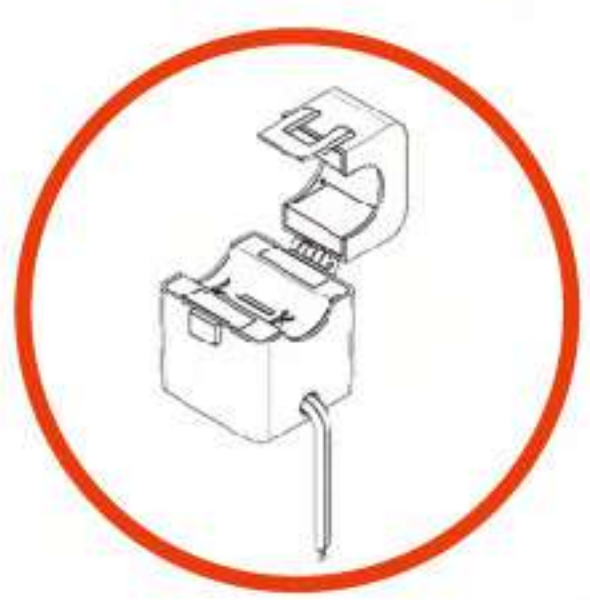


DATASHEET	SOLON-8600-48-HYD	SOLON-11000-48-HYD
Max. PV Array Power	10KW	11KW
Rated Output Power	8.6KW	11.0KW
Maximum PV Array Open Circuit Voltage	500VDC	500VDC
MPPT Range @ Operating Voltage	60Vdc-450Vdc	
MPPT Tracker Number	2	2
GRID-TIE OPERATION		
GRID OUTPUT (AC)		
Nominal Output Voltage	220/230/240 VAC	
Output Voltage Range	184 - 264.5 VAC or 195.5 - 253 VAC (Selectable)	
Nominal Output Current	37.4A	46.1A
Power Factor	> 0.99	
EFFICIENCY		
Maximum Conversion Efficiency (DC/AC)	95%	95%
OFF-GRID, HYBRID OPERATION		
GRID INPUT		
Acceptable Input Voltage Range	90 - 280 VAC or 170 - 280 VAC	
Frequency Range	50 Hz/60 Hz (Auto sensing)	
Maximum AC Input Current	80A	80A
BATTERY MODE OUTPUT (AC)		
Nominal Output Voltage	220/230/240 VAC	
Output Waveform	Pure sine wave	
Efficiency (DC to AC)	93%	
BATTERY & CHARGER		
Nominal DC Voltage	48Vdc	
Maximum Solar Charge Current	180 A	180 A
Maximum AC Charge Current	160 A	160 A
Maximum Charge Current	180 A	
GENERAL		
PHYSICAL		
Dimension, D x W x H (mm)	160*370*460	
Net Weight (kgs)	17.2	18.1
INTERFACE		
Communication Ports	USB/RS232/RS485/WIFI	
ENVIRONMENT		
Humidity	0 ~ 90% RH (Non-condensing)	
Operating Temperature	-10°C to 50°C	

Product specifications are subject to change without further notice.



IP65 INVERTER **ULTRA 6KW HYBRID**



**Built-in
CT Function**

To meet self consumption
Application



**Reset
ON/OFF Button**

You can Reset and ON/OFF
manually



**Sync with
Generator**

Auto Start



**Parallel in
Single & Three Phase**

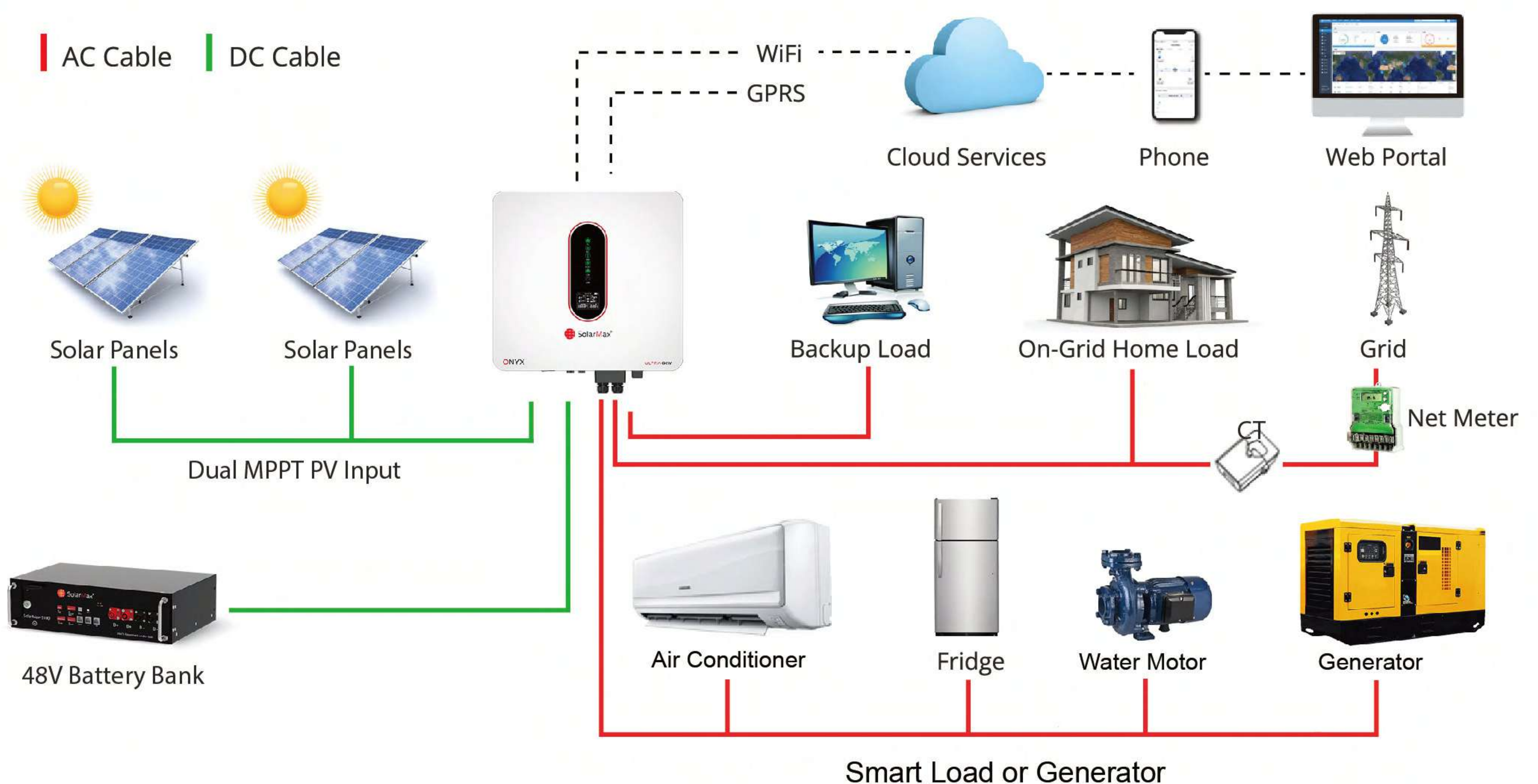
Parallel Function Built-in



**LED Indication &
LCD Display**

For real time status

ALL IN ONE



MODEL	SOLON-ULTRA-6KW
Input (PV)	
MAX PV Power (W)	9000W
Max PV Voltage (V)	550VDC
Max input current (input A/input B) (A)	30A (15A + 15A)
Max short current (input A/input B) (A)	40A (20A + 20A)
Start operating voltage (V)	90VDC
MPPT voltage range (V)	70-520VDC
No.of MPPT trackers	2
String per MPP tracker	1
Input (BATTERY)	
Compatible battery type	Lithium-ion / Lead-acid
Nominal battery voltage (V)	48VDC
Battery voltage range (V)	40-60VDC
Max. charge/discharge current (A)	120A / 120A
Max. charge/discharge power (W)	6000W / 6000W DUAL
Charging curve	3 Stages / Equalization
Lithium battery charge curve	Self-adaption to BMS
Output (Grid)	
Nominal AC output power (W)	6000W DUAL
Max. AC output apparent power (VA)	6000W DUAL
Max.AC output power (PF=1) (W)	6000W DUAL
Max. AC output current (A)	27.2A
Rated AC voltage (V)	220VAC
AC voltage range (V)	150-300VAC (adjustable)
Rated grid frequency (Hz)	50Hz / 60Hz
AC frequency range (Hz)	45-55Hz / 55-65Hz (adjustable)
Grid connecion	Single Phase
THDI	<3%
Output (Back up)	
Nominal output voltage (V)	230VAC
Nominal output frequency (Hz)	50 / 60Hz
Nominal output power (W)	6000W
Nominal output current (A)	26A
Transfer time (ms)	10(typ) / 20(max)
THDV	<3% @100% R Load
Protection	
Protection category	Class I
DC switch	Support
Anti-islanding protection	Support
AC overcurrent protection	Support
AC short circuit protection	Support
DC reverse connection	Support
Surge Arrester	DC Type III, AC Type III
Insulation detection	Support
Leakage current protection	Support
PV overvoltage category	II
AC overvoltage category	III
Efficiency	
Max.Efficiency (PV to AC)	>97.3%
Max.Efficiency (BAT to AC)	>94.0%
MPPT Efficiency	>99.0%
General	
Max. operation altitude (m)	4000
Noise emission (dB)	<35
Ingress protection degree	IP65
Operating temperature range	-25~60
Relative humidity (%)	0~100
Cooling concept	Natural Cooling
Mounting	Wall bracket
Dimensions (W*H*D)	515mm*450mm*175mm
Weight	25Kg
PV connection way	MC4/H4
Battery connection way	Dedicated DC connector
AC connection way (grid & back up)	Dedicated AC connector
HMI & COM	
Display	LCD+LED+APP
Communication interface	RS485/CAN (for BMS), RS485, USB, DRM/RS485 (for Meter), Bluetooth, Wifi, Optional: GPRS/Ethernet
Certification	
Grid	VDE-AR-N4105, IEC 61727/62116, AS 4777.2, EN 50549-1
Safety	IEC62109-1&2, IEC62040-1, IEC62477-1
Warranty (years)	5 Years

Product specifications are subject to change without further notice.



GRID-TIED SOLAR INVERTER

5KW-6KW-8KW-10KW-12KW-15KW



Superior Performance

- Maximum efficiency of 98.3%
- Large string current, compatible with large PV modules
- Wide voltage range, compatible with various power grids
- Compact for easy installation



HIGH RELIABILITY

- IP66 protection level for outdoor installation
- Surge Arrester DC type III / AC type III
- Insulation Detection, Leakage current protection, Anti-Islanding protection, AC over current protection, AC short circuit protection, DC reverse protection



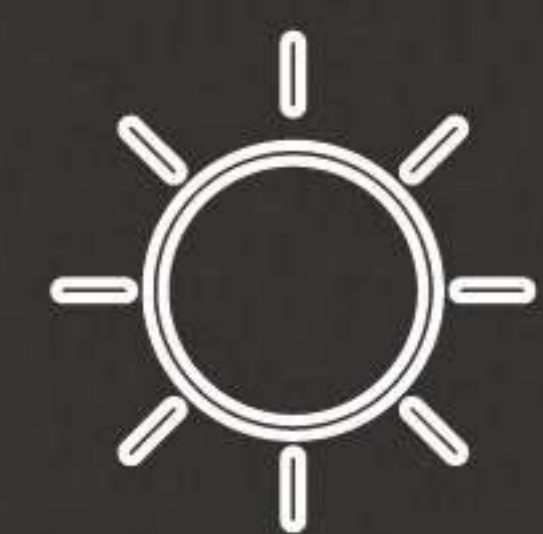
INTELLIGENT MAINTENANCE

- Built-in Bluetooth and Wifi Dongle
- Power consumption monitoring
- Remote configuration and upgrade
- Quick commissioning via mobile app
- Multiple I/O and communication configurations

Model	SP-5KTL-D3/G2	SP-6KTL-D3/G2	SP-8KTL-D3/G2	SP-10KTL-D3/G2	SP-12KTL-D3/G2	SP-15KTL-D3/G2
Efficiency						
Max. Efficiency	98.2%			97.8%		98.3%
European Efficiency	97.8%					
Input (PV)						
Max. Input Voltage	1100V					
Max. PV Configuration	150%					
Rated Input Voltage	620V					
Max. Input Current	2*15A					15A+2*15A
Max.Short Circuit Current	2*20A					20A+2*20A
Start Input Voltage	180V					
MPPT Operating Voltage Range	160V-1000V					
Max. Number of PV Strings	2 (1/1)					3 (1/2)
No. of MPPTs	2					
Output (Grid)						
Rated AC Active Power	5,000W	6,000W	8,000W	10,000W	12,000W	15,000W
Max. AC Apparent Power	5,500VA	6,600VA	8,800VA	11,200VA	13,200VA	16,700VA
Max. AC Output Current	3*8.4A	3*10.1A	3*13.4A	3*17A	3*20.2A	3*25.3A
Rated AC Voltage	380V / 400V / 415V, 3W+N+PE					
AC Voltage Range ①	260V-510V (Adjustable)					
Rated Grid Frequency	50Hz / 60Hz					
Grid Frequency Range ②	45Hz-55Hz / 55Hz-65Hz (Adjustable)					
THDI	<3%@Rated Power					
DC Current Injection	<0.5%@Rated Current					
Power Factor	> 0.99 Rated power (Adjustable 0.8 LD - 0.8 LG)					
Protection						
DC Switch	Yes					
Anti-Islanding Protection	Yes					
AC Overcurrent Protection	Yes					
AC Short Circuit Protection	Yes					
DC Reverse Protection	Yes					
Surge Arrester	DC Type III(Type II optional) / AC Type III(Type II optional)					
Insulation Detection	Yes					
Leakage Current Protection	Yes					
General						
Topology	Transformerless					
IP Rating	IP66					
Night Self Consumption	< 1W (Standard)					
Cooling	Natural cooling					
Operating Temperature Range	-25°C-60°C					
Relative Humidity Range	0-100%					
Max. Operating Altitude	4000m					
Dimensions (W*H*D)	398mm*460mm*190mm					
Weight	16.8Kg					18.7Kg
HMI & COM						
Display	Wireless & APP +LED, LCD (Optional)					
Communication	RS485, Optional: WiFi / GPRS / LAN					
Certification						
Safety	IEC62109-1, IEC62109-2					
Grid Code	VDE-AR-N 4105, EN 50549-1, CEI 0-21, UNE 206006/206007-1, RD 1699/661&413, IEC 61727/62116, AS4777.2					
Warranty	5 Years					

Remarks ①②The range of output voltage and frequency may vary depending on different grid codes.
Specifications are subject to change without advanced notice.

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