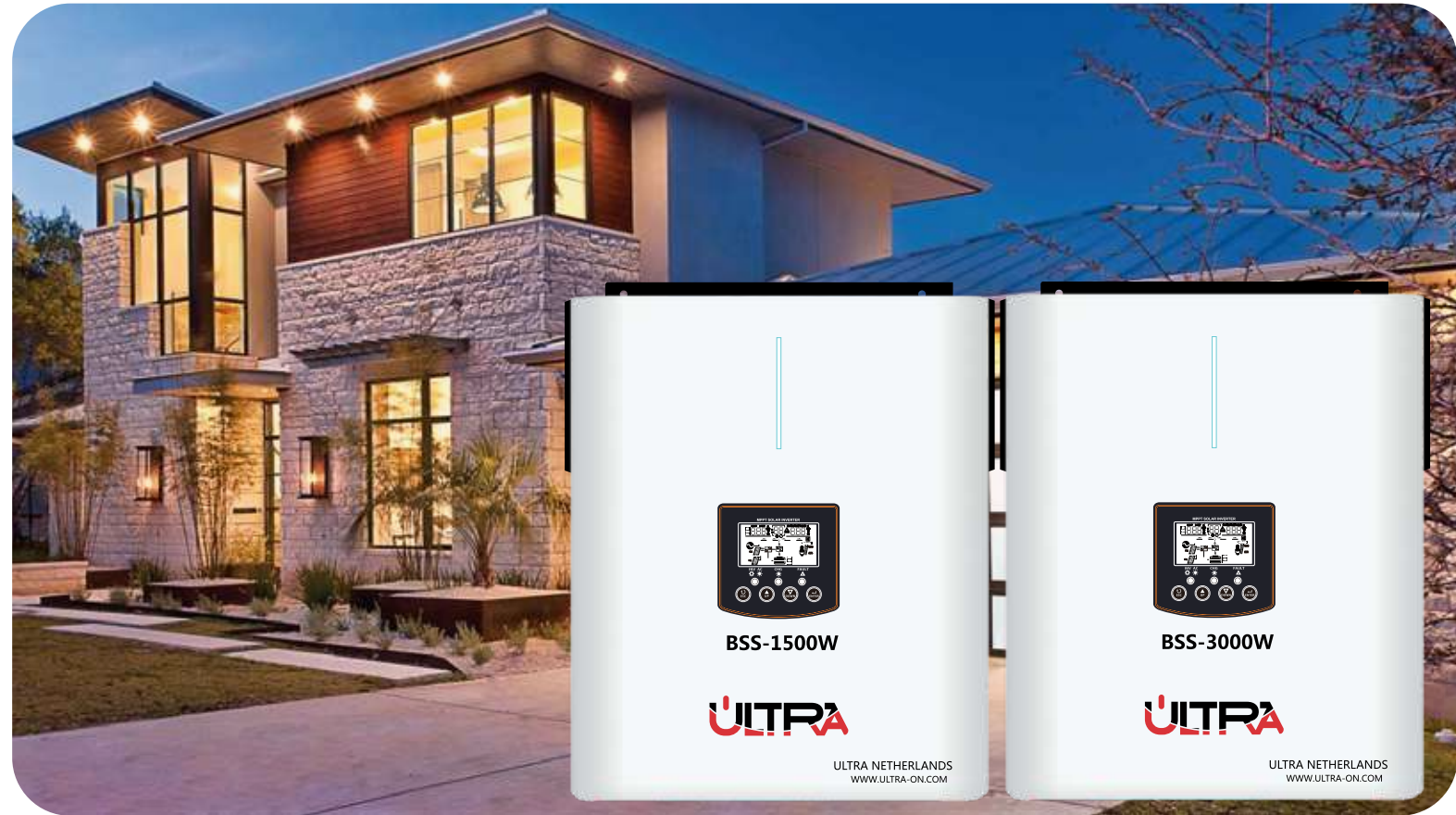




The power for your life

# HYBRID INVERTER BSS SERIES (1.5KW-3KW)



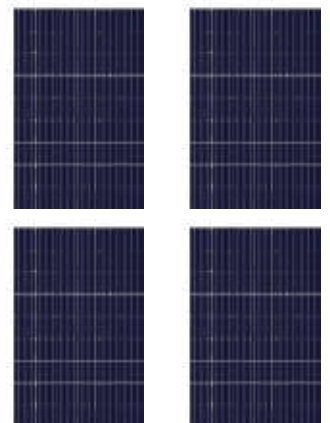
## PRODUCT FEATURES

- 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 screen control module with various communications.
- 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.

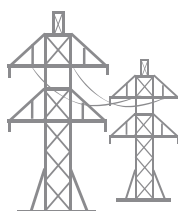
Green Power to Home



Solar Panel



Power grid



Battery bank



@2024 ultra. All rights reserved.

# On&Off Grid MPPT Solar Inverter

## TECHNICAL PARAMETER

NEW MODEL	BSS-1500W	BSS-3000W
Max. PV Array Power	2000W	3000W
Rated Output Power	1500W	3000W
Maximum PV Array Open Circuit Voltage	500VDC	
MPPT Range @ Operating Voltage	60Vdc-430Vdc	
MPPT Tracker Number	1	
<b>GRID-TIE OPERATION</b>		
<b>GRID OUTPUT (AC)</b>		
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	8.7A
Power Factor	1	
<b>EFFICIENCY</b>		
Maximum Conversion Efficiency (DC/AC)	98%	98%
<b>OFF-GRID, HYBRID OPERATION</b>		
<b>GRID INPUT</b>		
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
<b>BATTERY MODE OUTPUT (AC)</b>		
Nominal Output Voltage	220/230/240 VAC	
Output Waveform	Pure sine wave	
Efficiency (DC to AC)	98%	
<b>BATTERY &amp; CHARGER</b>		
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	
<b>GENERAL</b>		
<b>PHYSICAL</b>		
Dimension, D x W x H (mm)	128*300*363	
Net Weight (kgs)	6.9	7.5
<b>INTERFACE</b>		
Communication Ports	USB/RS232/RS485/WIFI	
<b>ENVIRONMENT</b>		
Humidity	0 ~ 90% RH (Non-condensing)	
Operating Temperature	-10°C to 50°C	

