

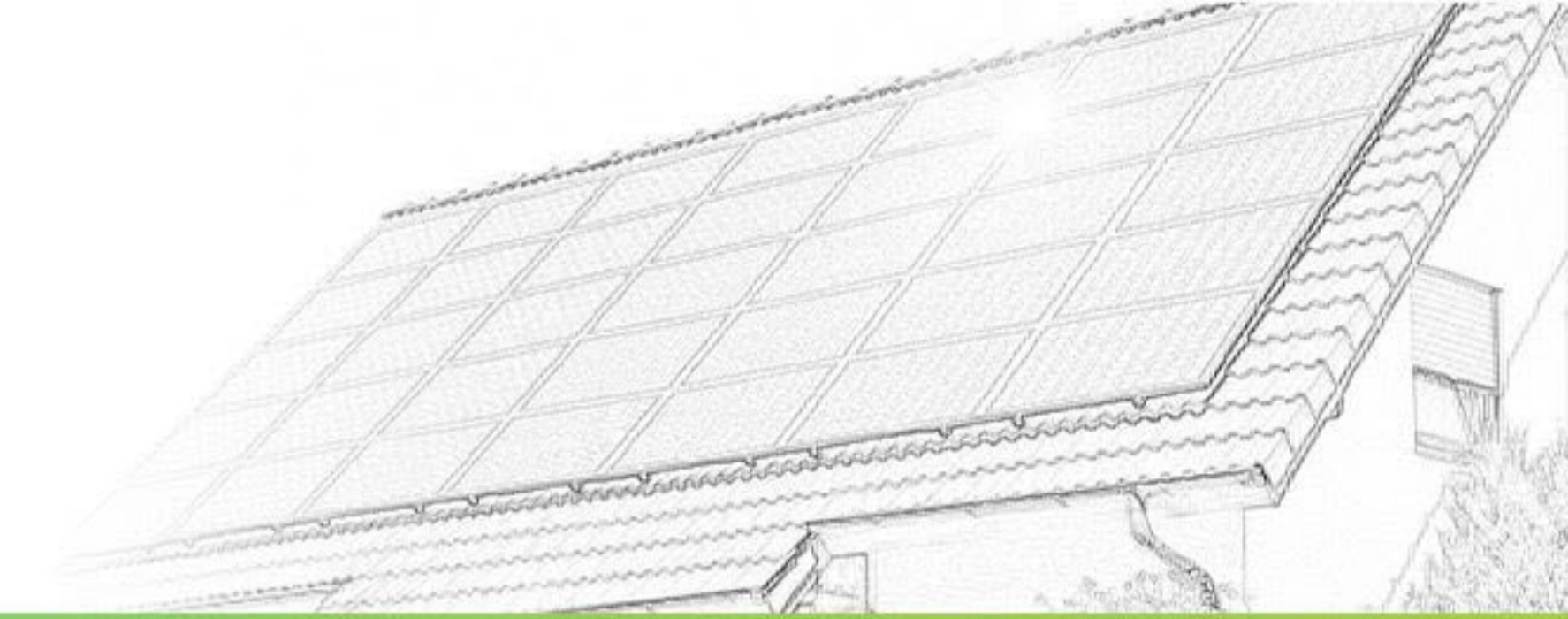
CONSNANT

OFF-GRID HYBRID SOLAR INVERTER

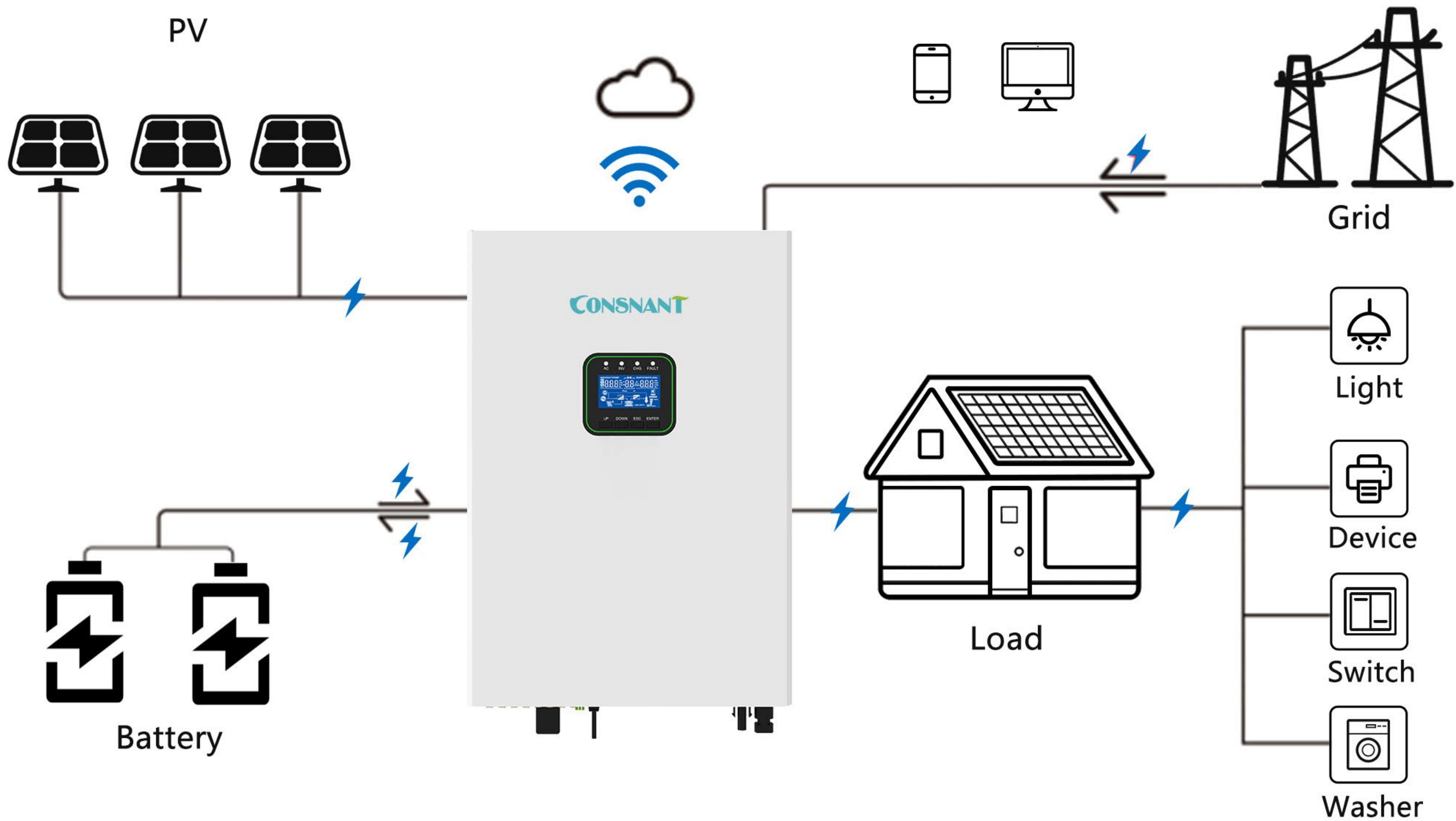
CNS110 3500-24 / 5500-48



PRODUCT APPLICATIONS



■ HOME ENERGY STORAGE SYSTEM



■ APPLICATION FIELD



Household



Farm



Outdoors



Villa



Comsat Station

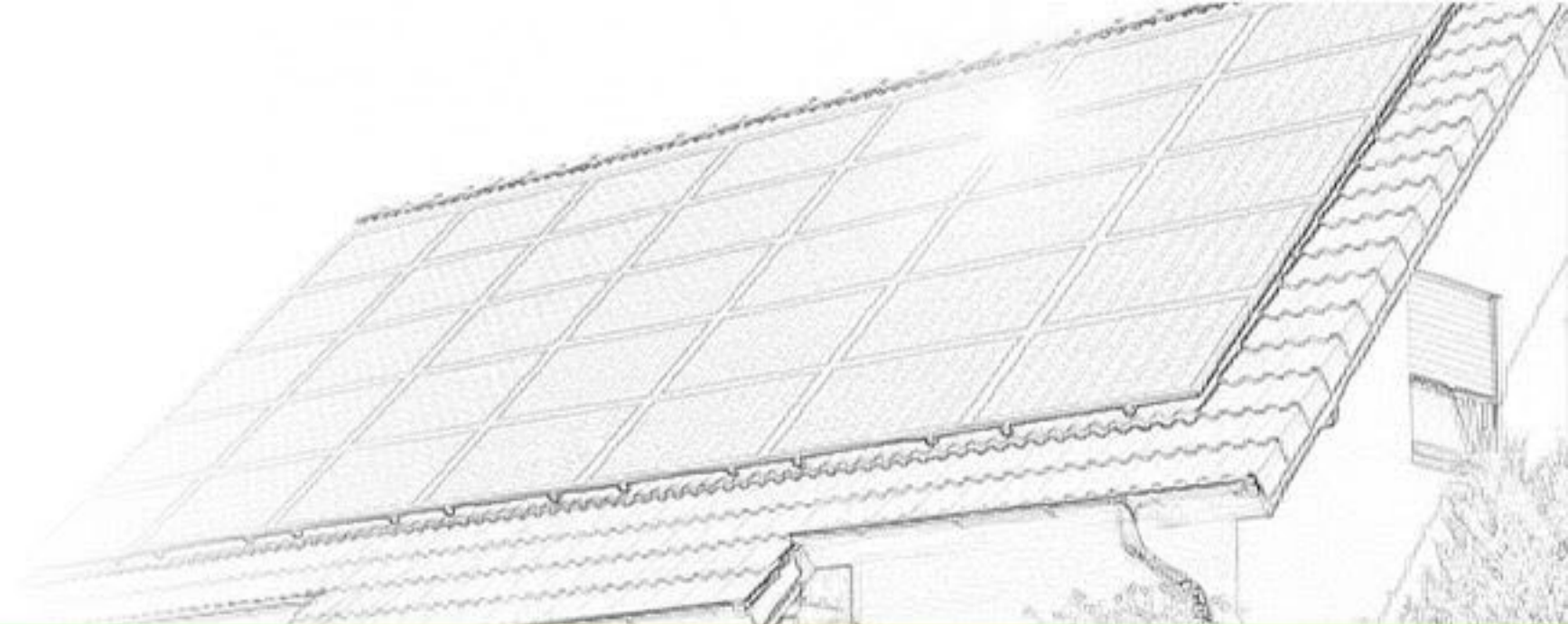


Grassland

■ FEATURES

- Reliable quality, economical design
- Configurable AC/Solar priority via LCD settings
- Dual AC output, for smart load management
- Pure sine wave output, Work without battery
- High PV input range 40-450Vdc
- Built-in 100A MPPT solar charge controller
- Smart battery charging design to optimize battery life
- Optional Wi-Fi and Bluetooth intelligent monitoring function
- BMS communication port

SPECIFICATION



Model	CNS110 3500-24	CNS110 5500-48
Rated Power	3500VA/3500W	5500VA/5500W
AC Input		
Input Format	L+N+PE	
Rated Input Voltage	220/230/240V	
Input Voltage Range	Appliance Mode: 90~280V; UPS Mode: 170~264V	
Input Frequency	50/60Hz (Auto Sensing)	
Max. AC Charging Current	100A	80A
Output		
Output Format	L+N+PE	
Rated Output Voltage	220/230/240 ±5%	
Output Frequency	50/60Hz ±0.1%	
Waveform	Pure Sine Wave	
Transfer Time	10ms, 20ms (Typical)	
Peak Efficiency (battery mode)	>92.7%	>94%
No-Load Power Consumption	<65W	<60W
Solar Charger & AC Charger		
PV Max. Input Power	5000W	6000W
MPPT Tracking Voltage Range	40-450VDC	120-450VDC
Solar Charing Type	MPPT	
Max. PV Input Voltage	500VDC	
Max. PV Input Current	18A	
Max. PV Charing Current	100A	
Max. AC Charing Current	100A	80A
Battery		
Rated Voltage	24VDC	48VDC
Constant Charing Voltage (can be set)	28.2VDC	56.4VDC
Float Charging Voltage (can be set)	27VDC	54VDC
Environment		
Humidity	20%-95% (Non-condensing)	
Operation Temperature	-10~50℃ (Reduce output power to 80% above 40℃)	
Storage Temperature	-15~60℃	
Physical		
Dimension (W*H*D)(mm)	416*300*97mm	460*315*110mm
Net Weight (kg)	8.5	9.8
Communication Interface	USB, RJ45, Dry contact	

Product specifications are subject to change without notice.

