

RACK-MOUNTED

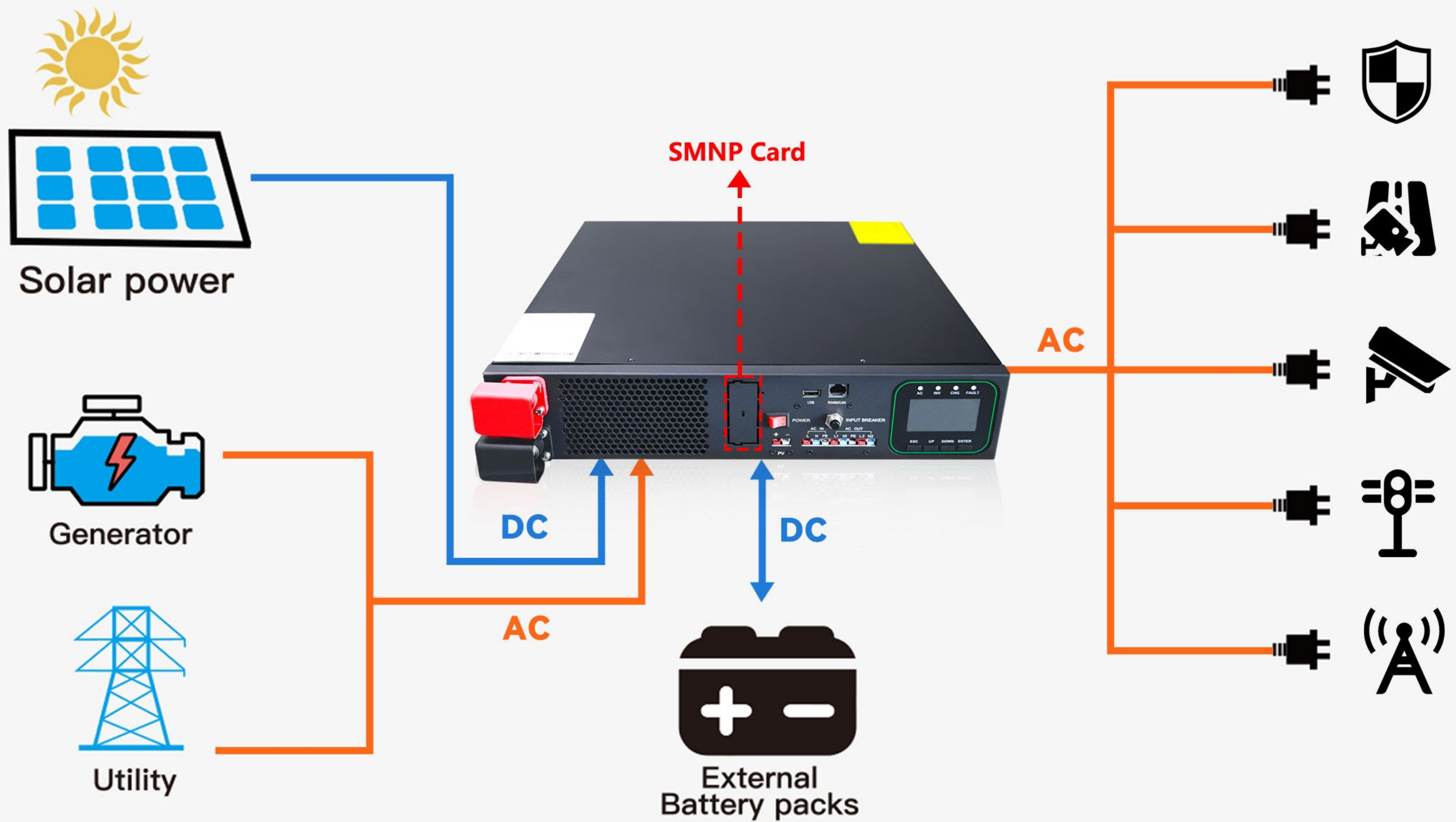
OFF-GRID HYBRID SOLAR INVERTER

CNS110R 6KW



PRODUCT APPLICATIONS

■ OFF GRID CHARGER & INVERTER



■ APPLICATION FIELD



Security



Road Monitors



CCTV



Traffic Lights

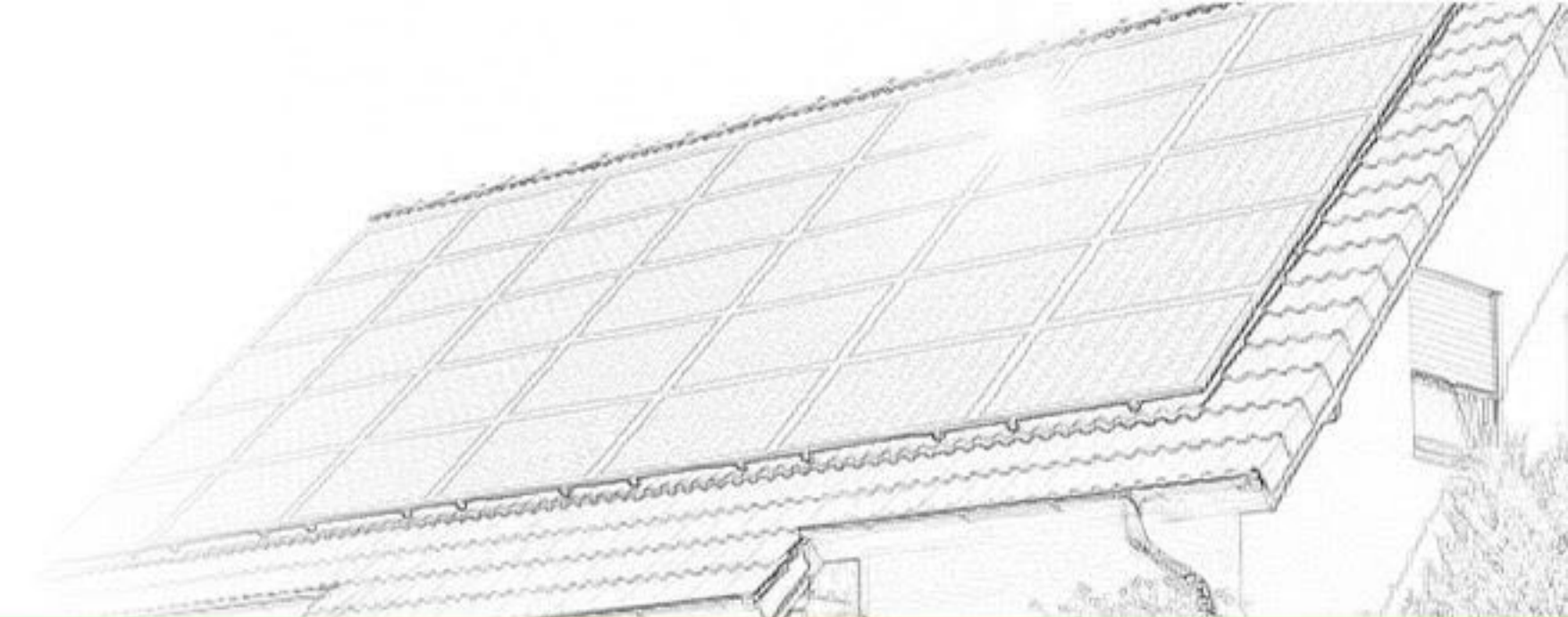


Comsat Station

■ 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 60-450Vdc
- Built-in 120A MPPT solar charge controller
- Smart battery charging design to optimize battery life
- Optional SNMP card, Wi-Fi and Bluetooth intelligent monitoring function
- BMS communication port

SPECIFICATION



Model	CNS110R 6000-48
Rated Power	6000W
Output	
Output Format	L+N+PE
Rated Output Voltage/Frequency	220Vac/230Vac/240Vac±5%; 50/60Hz±0.1%
Transfer Time	10ms, 20ms (Typical)
Overload Capacity (Battery Mode)	1min@102%~120%Load; 10s@>120%Load
Peak Efficiency (Battery Mode)	>94%
No-Load Power Consumption	>30W
AC Input	
Input Format	L+N+PE
Nominal Voltage	230Vac
Input Voltage Range	Appliance mode: 90~280V; UPS mode: 170~280V
Input Frequency	40~70Hz±0.1%
Solar Charger & AC Charger	
PV Max. Input Power	9000W
PV Input Voltage Range	60-500VDC
MPPT Tracking Voltage Range	60-450VDC
Max. AC Charging Current	120A
Max. PV Charging Current	120A
Max. PV Input Current	27A
Tracking Efficiency	99.5% max
Battery	
Rated Voltage	48VDC
Constant Charing Voltage (can be set)	56.4VDC
Overcharge Voltage	60.4VDC
Float Charging Voltage (can be set)	54VDC
Environment	
Humidity	20%-95% (Non-condensing)
Operation Temperature	0~50°C (Reduce output power to 80% above 40°C)
Storage Temperature	-15~60°C
Altitude	Up to 1000m without derating
Noise	≤60dB
Physical	
Dimension (W*H*D)(mm)	440*86*470mm
Net Weight (kg)	9.8
LCD Display	Running mode/load/input/output display,etc.,support extended RGB screen
Communication Interface	Comm, Type-B, Dry contact, BMS

Product specifications are subject to change without notice.



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