

Go Green
Solar Power Solutions

MPPT SOLAR INVERTER

GGIV 1P-12KW



Built-in 160A
Solar Charger



Wide PV Input Voltage
Range 60-500V



Dual MPPTs
Input



27A+27A
MAX PV Input

DUAL

Dual AC Out

BMS

Support Lithium/
Lead-acid Battery



Lithium Battery
Activation



5 Inch Display

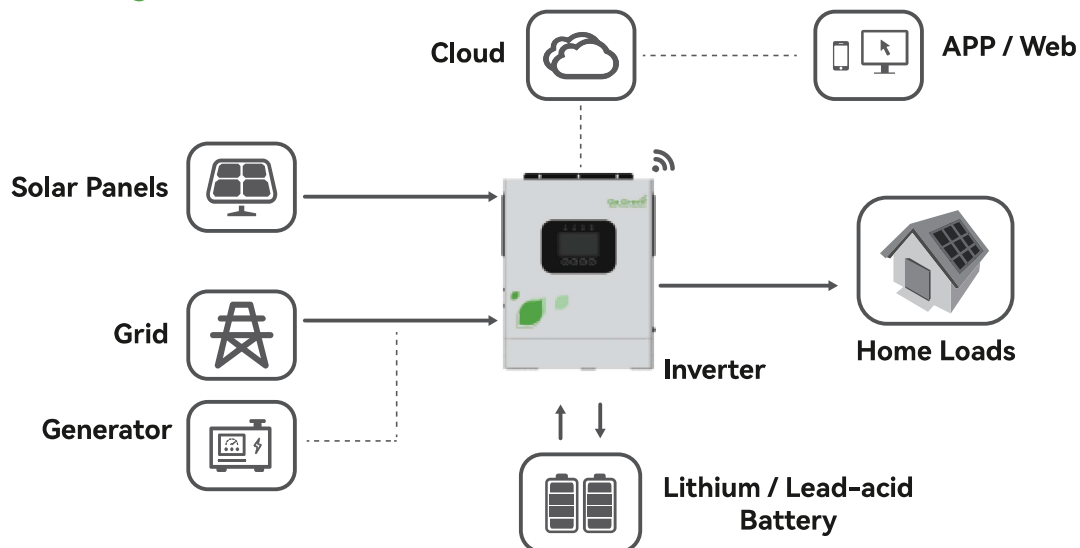


Feed-in
to Grid



WiFi
Monitoring(built-in)

System Diagram



SPECIFICATIONS

Model	GGIV 1P-12KW
AC Input	
Rated Input Voltage (VAC)	220 / 230 / 240; L+N+PE
Voltage Range (VAC)	90~280 (APP/GEN mode); 170~264 (UPS mode)
Frequency (Hz)	50 / 60(Auto Adaptive)
AC Output	
Rated Capacity (kVA)	12
Surge Power (kVA)	24
Voltage (VAC)	220/230/240
Power Factor (PF)	1
Frequency (Hz)	50 / 60
Switch Time (ms)	10(APP/UPS mode), 20(GEN mode)
Wave Form	Pure Sine Wave
Overload Capacity (PV+Battery mode / PV Mode)	1min@102%~125% Load 10s@125%-200% Load
Max. Efficiency (Battery Mode)	94%@48VDC
Parallel Quantity	NA
Charger (PV / AC)	
Solar Charger Type	Dual MPPTs
Max. PV input Current / Input Power	Using One MPPT: 27A/9KW Using Two MPPTs: 27A+27A, 15kW/Total
MPPT Range@Operating Voltage (VDC)	60 – 450
Max. PV Open Circuit Voltage (VDC)	500
Max. PV Charge Current (A)	160
Max. AC Charge Current (A)	160
Max. Charge Current (PV + AC) (A)	160
Battery	
Rated Voltage (VDC)	48
Max. Charging Current (A)	160
Max. Discharging Current (A)	220
Battery	Lithium / Lead-acid
Interface	
HMI	LCD
Interface	RS232 / RS485 / CAN
Monitoring	WiFi (built-in)
General Data	
Ingress Protection	IP21
Operating Temperature (°C)	-10 ~ 60
Relative Humidity	5%~95% (Non-condensing)
Storage Temperature (°C)	-15 ~ 60
Net Weight (kg)	15.2
Dimensions (H*W*D) (mm)	540*425*140
Max. Operating Altitude (m)	4000 (Derating above 2000)