

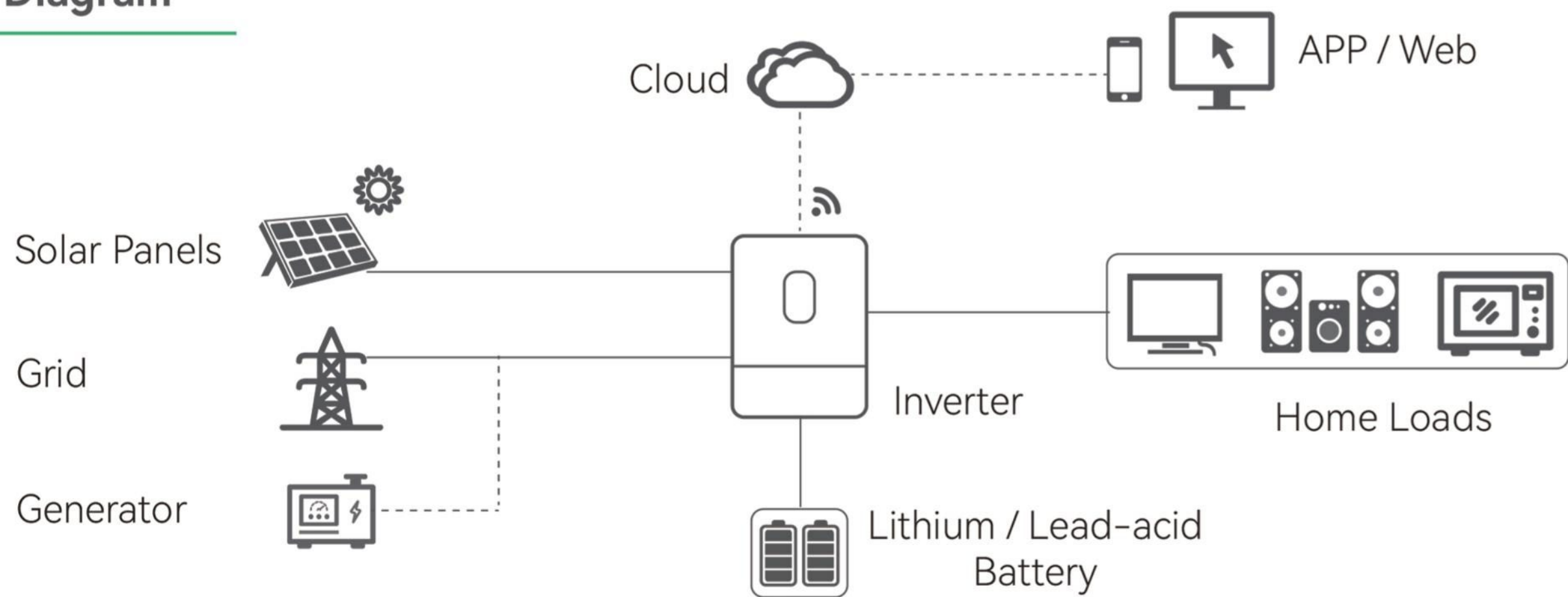


Single Phase

Off-grid Inverter

1.2kw / 3.6kw / 5kw /6.5kw /12kw

System Diagram



Built-in 100A-160A Solar Charger

Wide PV Input Voltage Range 60-500V

Feed-in to Grid

DUAL Dual AC Output

BMS Support Lithium/Lead-acid Battery

Lithium Battery Activation

Detachable Dust Cover

WiFi Monitoring

This is a multi-function inverter/charger,combining functions of inverter.MPPT solar charger and battery charger to offer uninterruptible power support with portable size.Its comprehensive LCD display offers user-configurable and easy-accessible button operation such as battery charging current,AC/solar charger priority.and acceptable input voltage based on different applications.

Model	GA-1212	GA-3624	GA-5024	GA-6548	GA-12048
System type	Off grid hybrid solar inverter				
AC Input					
Rated Input Voltage(VAC)	208V/ 220V/ 230V/ 240V, L+N+PE				
Voltage Range(VAC)	90~280V±3(normal mode), 170~280V±3(UPS mode)				
Frequency(Hz)	50/60Hz(Auto Adaptive)				
AC Output					
Rated Capacity(W)	1200W	3600W	5000W	6500W	12000W
Surge power(VA)	2400VA	5700VA	10000VA	12000VA	24000VA
Voltage(VAC)	208V/ 220V/ 230V/ 240V				
Power Factor(PF)	1				
Frequency	50/60Hz±0.1%				
Swith Time(ms)	10(APP/UPS mode)/ 20(GEN mode)				
Wave Form	Pure Sine Wave				
Overload Capacity(Battery Mode)	60s@102%~120% load,10s@>120%~200% load	60s@102%~110% load,10s@>110%~130% load, 3s@130%~150% load, 0.2s@>150% load	60s@102%~120% load, 10s@>120% load	60s@102%~110% load, 10s@>110% load	60s@102%~125% load, 10s@>125% load
Max. Efficiency(Battery Mode)	90%@12VDC	92.7%@12VDC	93.5%@24VDC	94%@48VDC	94%@48VDC
Parallel Quantity	NA				
Charger(PV / AC)					
Solar Charger Type	MPPT				Dual MPPTs
Max. PV Input current / Input Power	18A/800W	18A/5000W	27A/9000W	27A/9000W	22.5*2A/15000W
MPPT Range@Operating Voltage(VDC)	17-115V	40~450V	60~450V	60~450V	60~450V
Max. PV Open Circuit Voltage(VDC)	115V	500V	500V	500V	500V
Max. PV Charge Current(A)	50A	100A	160A	120A	160A
Max. AC Charge Current(A)	50A	100A	160A	120A	160A
Max. Charge Current (PV+AC) (A)	100A	100A	160A	120A	160A
Battery					
Rated Voltage(VDC)	12V	24V	24V	48V	48V
Floating Charge Voltage(VDC)	13.8V	27V	27V	54V	54V
Overcharge Protection(VDC)	15V	30.5V	30.5V	61V	61V
Battery Type	Lithium and Lead-acid				
Interface					
HMI	LCD				
Interface	RS232/RS485/CAN				
Monitoring	WiFi				
General Data					
Ingress Protection	IP21				
Operating Temperature	-15℃ ~ 60℃				
Relative humidity	5%~95%(Non-condensing)				
Storage Temperature	-15℃ ~ 60℃				
Max. Operating Altitude	4000m(Derating above 1000m)				
Net weight(kg)	3.5Kgs	6.2kg	8.4kg	8.4kg	15kg
Dimensions(H*W*D)(mm)	301*217*97	420*284*94mm	410*336*110mm	410*336*110mm	495*425*120mm

Ideally use for