



RVI series

Inverter/Charger for RV

RVI1230U100 RVI1230S100



Efficient

- Low self-consumption with energy saving mode
- High efficiency mains charging mode

User-friendly

- Industrial design with a modern aesthetic look
- Easy to install and simple to use

All-in-one

- Up to 100A charging current
- Support for charging the starter battery

Reliable

- SPWM outputs high quality pure sine wave AC power
- Operates from -15°C to 55 °C

Safety

- N-G bonding function for electrical safety
- Complete short-circuit protection, over-voltage protection, etc

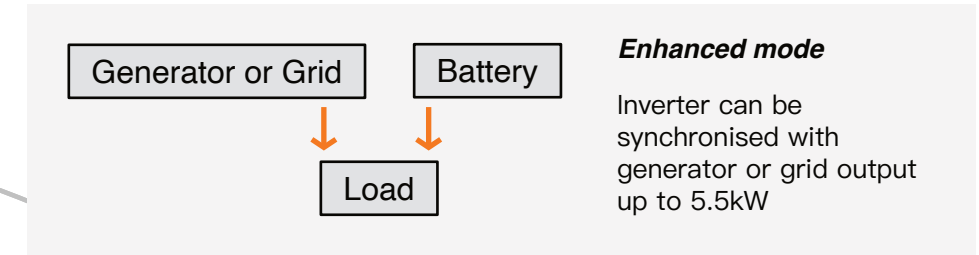
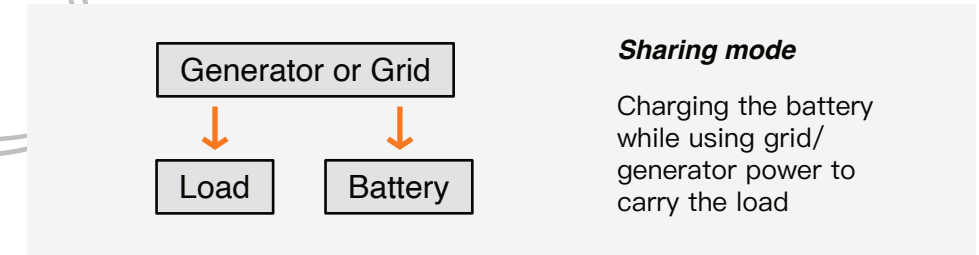
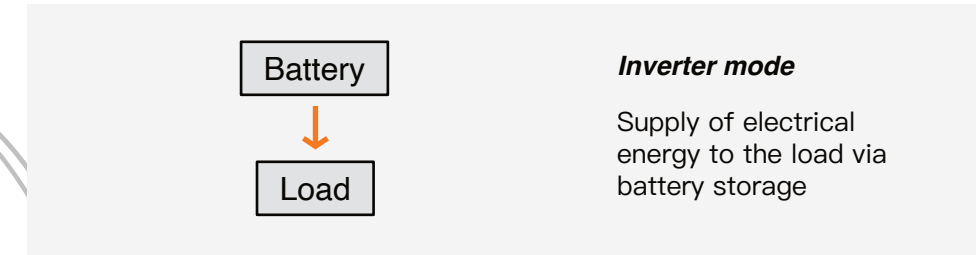
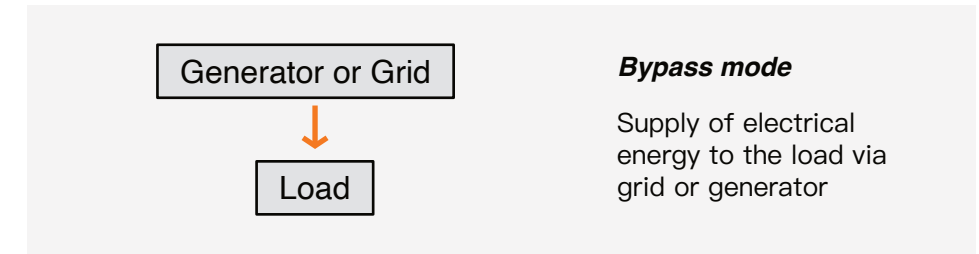
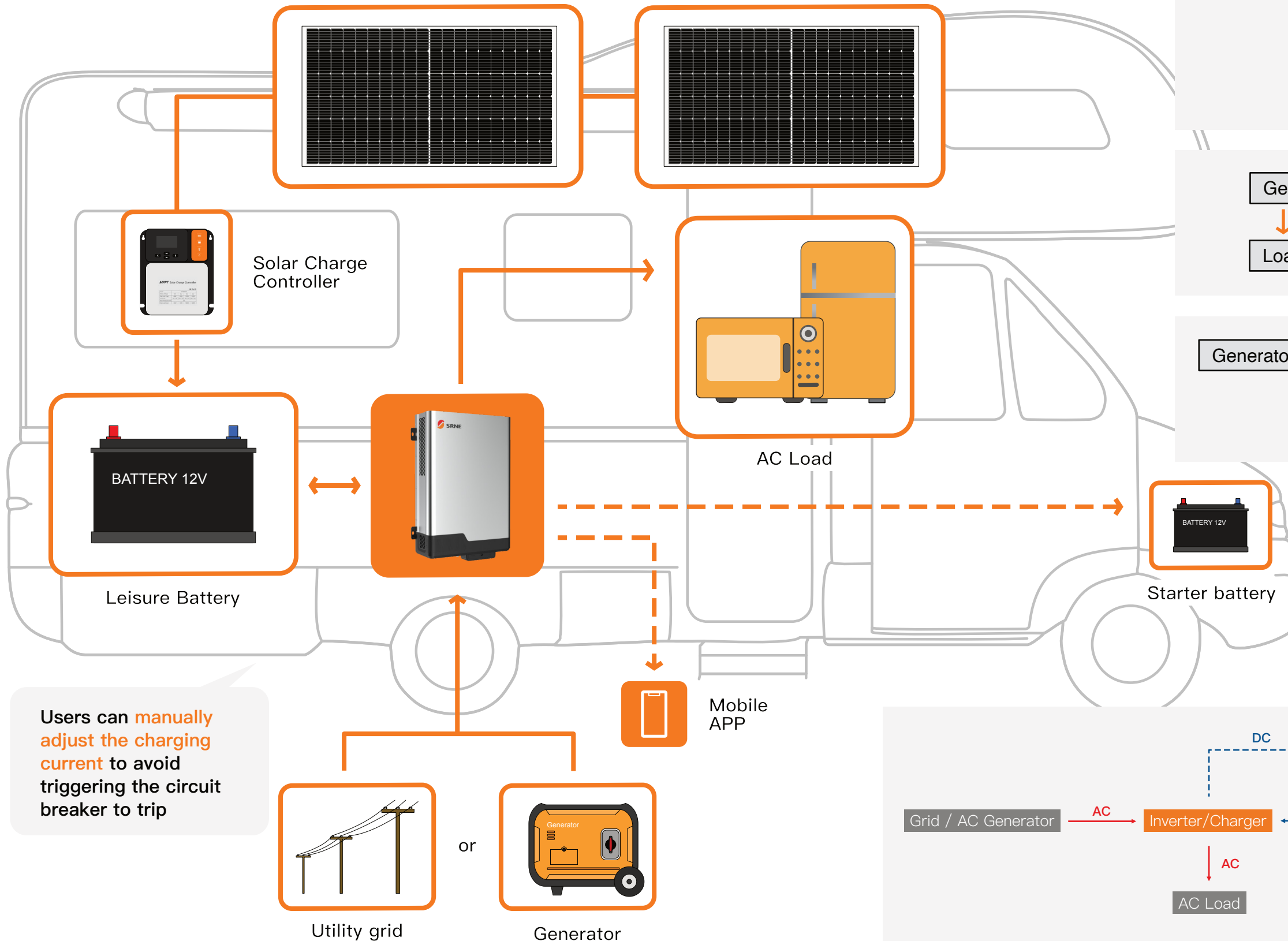
Intelligent

- With intelligent adjustable speed fan
- Support RV-C protocol

MODEL	RVI1230S100	RVI1230U100	CAN BE SET
INVERTER OUTPUT			
Rated Output Power	3000W	3000W	
Max.Peak Power	6000VA	6,000VA	
Rated AC Output Voltage	230Vac	120Vac	✓
Load Capacity of Motors	2HP	2HP	
Rated AC Frequency	50/60Hz		✓
Waveform	Pure sine wave		
Power Factor	1		
Switch Time	10ms (typical)		
Additional DC Output	12Vdc/20A		
BATTERY CONNECT			
Battery Type	Li-ion / Lead-acid / User-define		✓
Rated Battery Voltage	12Vdc		
Voltage Range	10.5~16.5Vdc		✓
Max.Mains/Generator Charging Current	100A	100A	✓
No-Load Consumption	Battery current<4.0A@12.5V		✓
Energy-Saving Consumption	Battery current<1.0A@12.5V		✓
MAINS/GENERATOR INPUT			
Input Voltage Range	UPS mode: 170~280Vac APL mode: 90~280Vac	90~140Vac	
Frequency Range	50/60Hz (Auto-detect)		
Bypass Overload Current	30A	40A	
EFFICIENCY			
Inverter Efficiency	>92%		
GENERAL			
Dimensions	466*322*107.8mm (1.52*1.06*0.35ft)		
Weight	7.5kg (16.53lb)	8kg (17.64lb)	
Protection Degree	IP20, indoor only		
Operating Temperature Range	-15°C~55°C (5°F~131°F)		
Storage Temperature Range	-25°C ~60°C (-13°F~140°F)		
Noise	≤60dB		
Cooling Method	Intelligent fan		
Warranty	2 years		
COMMUNICATION			
Embedded Interfaces	RS485/ CAN (RV-C) / USB / Dry contact		✓
External Modules (Optional)	Wi-Fi / GPRS		✓
CERTIFICATION			
Safety	IEC62109-1, IEC62109-2	CE(IEC 62109-1)/ IEC62109-2 cETL(UL458/ CSA C22.2 NO.107.2-01)	
EMC	EN61000-6-1, EN61000-6-3, FCC 15 class B		

Connection Diagram

Output mode ▶▶▶



With additional 12V 20A DC output for charging the **starter battery**

Users can manually adjust the charging current to avoid triggering the circuit breaker to trip

