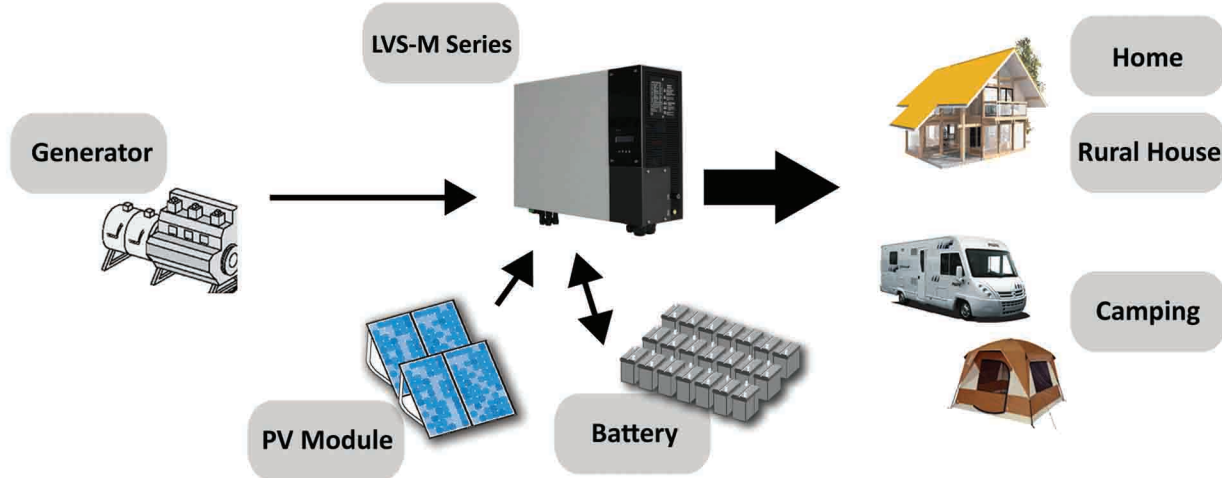


LVS-M Series



- True off-grid PV inverter
- Provides power for loads directly from PV power
- Charging battery with surplus PV power
- Compatible to generator power
- Built-in MPPT solar charger controller
- 200% overload capacity
- RS485 communication interface
- Pure sine wave output
- Robust and suitable for harsh environment

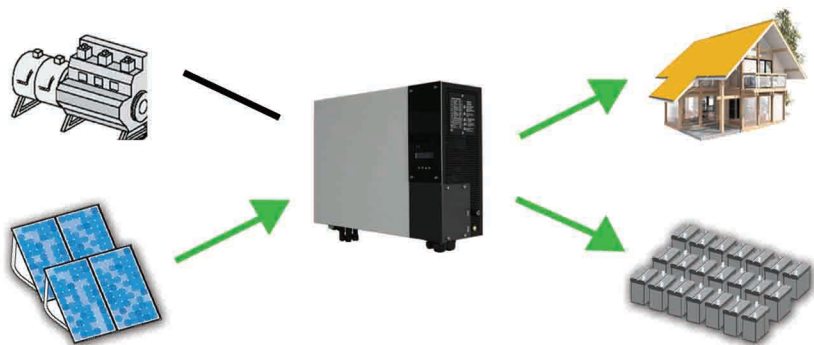
Demonstration



* Application to camping, boat, home, rural house

Operation Modes

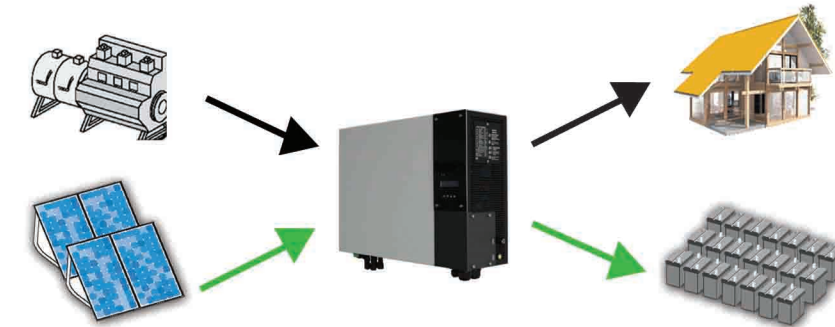
① PV power > connected loads : PV power supplies both battery charging and connected loads



② PV power < connected loads : PV power and battery share power to connected loads



③ Battery low and PV power < connected loads : PV charges battery and generator power loads



Specification

Model	LVS-30M	LVS-50M	
Capacity	3000W	5000W	
Input	Voltage		230VAC
	Voltage Range		190VAC ~ 300VAC
	Max. Current	15A	25A
Output	Frequency		50Hz or 60Hz
	Voltage Regulation		230VAC± 5%
	Frequency		50Hz or 60Hz
	Waveform		Pure Sine Wave
	Overload Capacity		100% ~ 110%: 60 seconds 111% ~ 150%: 30 seconds 151% ~ 200%: 10 seconds
Battery	Voltage		48VDC
	Voltage Range		40VDC ~ 56VDC
	Max. Charging Current	60A	100A
Solar Charger	Type		MPPT
	Max. Power	3600W	6000W
	MPPT Range	150VDC ~ 500VDC	150VDC ~ 450VDC
	Max. DC Voltage	550VDC	500VDC
	Max. Current	10A	10A * 2
	MPP Tracker Number	1 set	2 sets
Communication	Interface		USB and RS485
	Date Logging		1 month
Environment	Temperature Range		-20 ° C ~ 55 ° C
	Humidity		0% ~ 95%, non-condensing
Physical	Dimension (W * H * D) mm		580 * 410 * 170
	Net Weight		22kgs / 24kgs

* Product specification is subject to change without prior notice