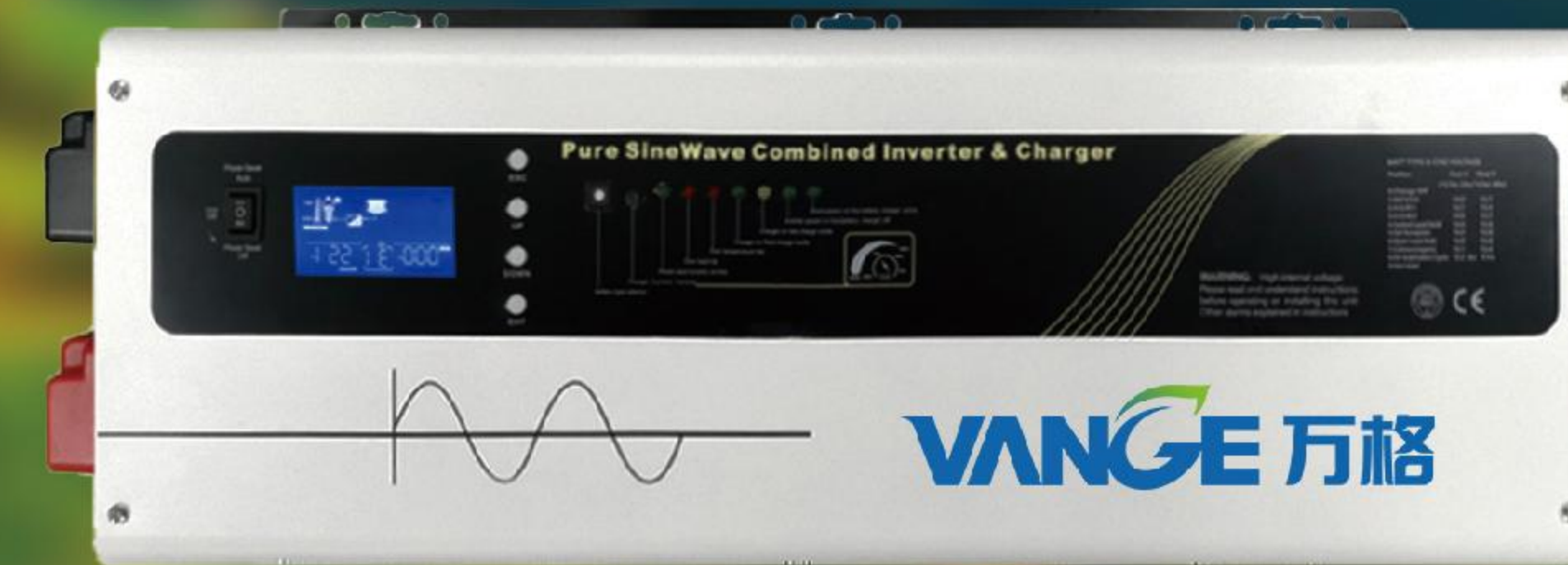


PHOTOVOLTAIC INVERTER: 12V—48V PURE SINE WAVE INVERTER

APPLICATION SCENARIOS

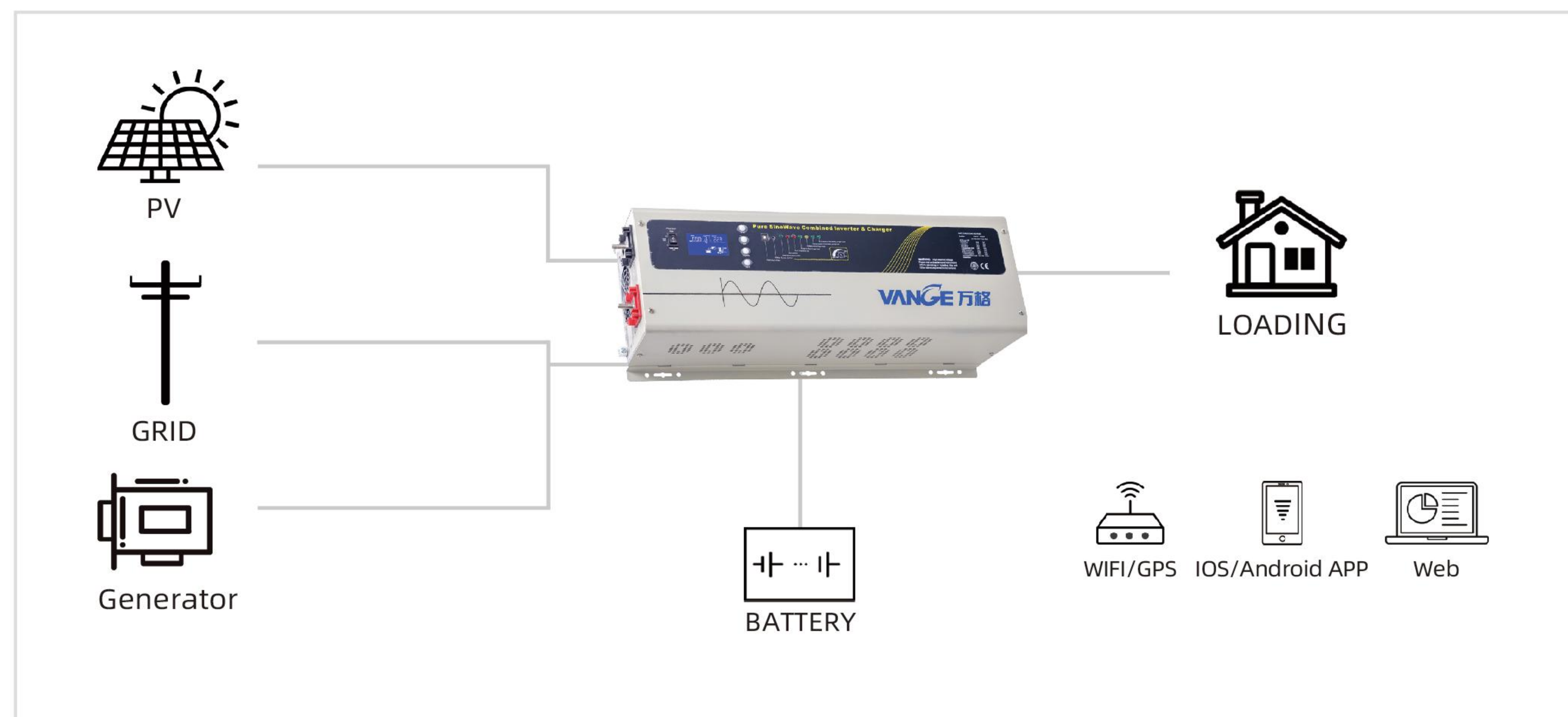


PRODUCTS FEATURE

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- ★ The efficiency is 3%~5% higher than the ordinary power frequency series, and the self-consumption is reduced by 30%~50%
- ★ DIP switch selection: battery under voltage point, input AC range, energy saving mode, priority mode
- ★ Support PC software monitoring, support WIFI 4G module expansion to realize app cloud monitoring (optional)
- ★ Pure sine wave output, input and output completely isolated design
- ★ Contains AC four-stage charging mode, and the charging current is automatically adjusted
- ★ Can withstand 3 times the rated power start, excellent load capacity

SYSTEM TOPOLOGY



Model	VG-INV-1k-OSG	VG-INV-1.5k-OSG	VG-INV-2k-OSG	VG-INV-3k-OSG	VG-INV-4k-OSG	VG-INV-5k-OSG	VG-INV-6k-OSG
Rated apparent power	1kVA	1.5kVA	2kVA	3kVA	4kVA	5kVA	6kVA
Continuous output power	1kW	1.5kW	2kW	3kW	4kW	5kW	6kW
Rated input voltage	12VDC/24VDC/48VDC		12VDC/24VDC/48VDC		24VDC/48VDC		
Mains mode specifications:							
Input voltage waveform	Sine wave (mains or generator)						
Rated input voltage	100V/110V/120V/220V/230V/240Vac						
Max. AC input voltage	135/270V rms						
Max. AC input voltage	135/270V rms						
Rated input frequency	50Hz/60Hz(automatic detection)						
Output voltage waveform	Consistent with the input voltage waveform						
Overload protection	Circuit breaker start						
Short circuit protection	Circuit breaker start						
Power efficiency	>95%						
Conversion current	30A						
Conversion time	10ms						
By pass maximum load current	30A						
Power factor	0~1.0						
Rated output voltage (V)	120/230Vac						
Rated output frequency (Hz)	60/50Hz±0.3Hz						
Output voltage range	±2%rms						
Efficient	>80%						
Peak capacity(10s)	3kVA	4.5VA	6VA	9VA	12VA	15VA	18VA
Start the motor	1HP	1.5HP	2HP	3HP	4HP	5HP	6HP
Short circuit protection	Current limit(power off after 10s)						
Circuit breaker size	15A		20A		30A		40A
Rated DC input voltage	12V/24V/48V						
Minimum DC terminal voltage	10V/20V/40V						
Power saving	Load≤2W						
Dimensions (W*H*D)	360*185*180mm		420*185*180mm		597*195*190mm		
Weight	13.5kg	14kg	17kg	21kg	27kg	29.5kg	30.5kg
Packing operating weight	15.5kg	15.5kg	19kg	23.5kg	29.5kg	31.5kg	32.5kg
Standard warranty	2year						

* This parameter is the basic parameter of the product. Please contact your supplier for details when ordering.