

LGE-2080W / 2500W / 3080W / 4080W
 Pure Sine Wave Inverter

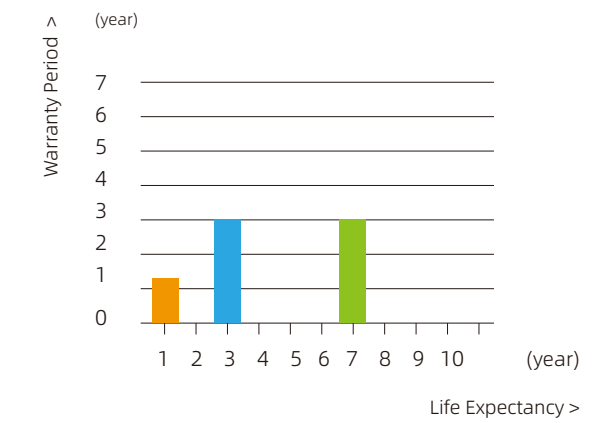
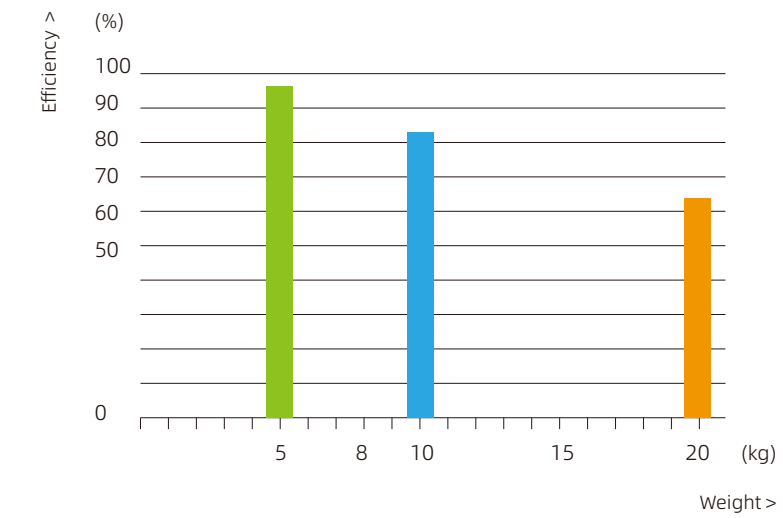
WELCOME TO EXPERIENCE THE FUTURE OUTDOOR POWER CONSUMPTION SCENE.

Our goal is to use electricity safer in the future. It is safe to use electricity in harsh environments, and more importantly, it's affordable.

LGE series is a highly reliable off-grid pure sine wave DC-AC power inverter. Its main features are low power consumption, small size, lightweight, and easy installation.

Compared with other inverters in the industry, the LGE series is more reliable in outdoor power supply solutions. It includes a built-in all-round protection circuit, fire prevention, anti-vibration, anti-high humidity, strong load compatibility, and a wide operating temperature range of -30 ~ +60°C.

LGE series inverters can be widely used in residential, commercial, marine, automotive, mine, construction sites, and remote areas without public electricity. And its output can be used for fans, TV, radio, mobile phone charger, PC/laptop, lighting, induction cooker, air conditioner, electromechanical tools, communication equipment, power distribution cabinet, outdoor camping equipment, marine AC power supply, factory equipment, etc.



■ LGE Inverter
 ■ Conventional Inverter
 ■ Low-quality Inverter

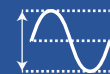
Save your transportation cost under the same power in the market. Provides longer run time on existing battery infrastructure. Most importantly, it can save battery costs for your energy storage plan.

THE GAME-CHANGING POWER OF HIGH-PERFORMANCE TECHNOLOGY



EFFICIENCY

Precise circuit design, minimizes thermal impedance and circuit impedance through copper row routing, and maximizes efficiency.



WITH STRONG PEAK POWER

LGE INVERTER adopts advanced technology to convert DC into stable AC with the highest efficiency. Output 4 times the power at 500mS, which can better drive the motor load.



SOLID CAPACITOR

We use a unique solid capacitor material, which is the most advanced power supply material, which can guarantee sufficient power and long life.



ZERO INTERFERENCE

Our advanced circuitry is unaffected by electromagnetic interference such as Wi-Fi speakers, medical equipment, or radio frequency interference, so surrounding systems operate as they always have.



TWO-WAY COMMUNICATION

We use semiconductor-grade components and advanced communication technologies, including displays and Bluetooth, to provide excellent two-way communication throughout the system. This allows you to directly monitor the health and performance of each inverter.



VIBRATION REDUCTION

With a unique rubber pad to strengthen the buffer and reduce the impact of vibration, effectively solves the damage caused by the friction between metal and metal.



FLEXIBLE CONTROL

With mechanical switch control, Built-in digital wireless control, And it can be controlled through the network cable monitoring screen.



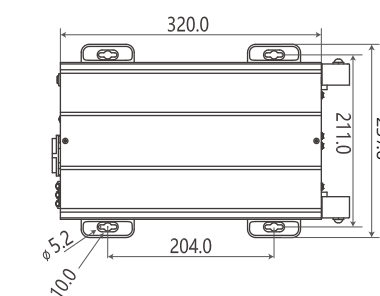
THERMAL MANAGEMENT

Unique materials and advanced thermal design significantly improve thermal management. Avoid lowering system performance due to potential thermal at minimum size.

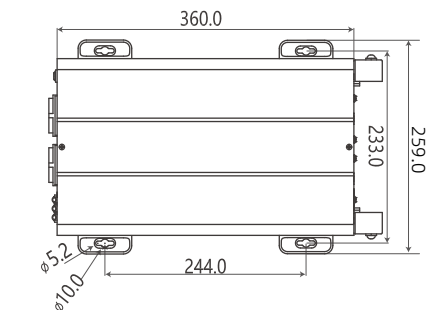
MUTE

Using superconductor transformer, high conversion rate, low heat generation, low fan speed, no worries about noisy noise.

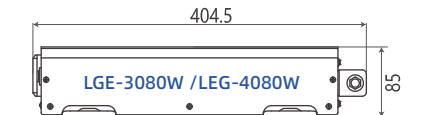
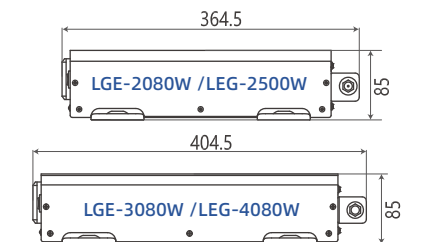
(mm)



LGE-2080W / LEG-2500W



LGE-3080W / LEG-4080W



MODELNO.	LGE-2080W	LGE-2500W	LGE-2500W	LGE-3080W	LGE-4080W	LGE-4080W
Rated Power (Typ.)	2080W	2500W	2500W	3080W	4080W	4080W
Maximum Output Power (1 Min)	>2080W~2390W (100%~115%)	>2500W~2875W (100%~115%)	>2500W~2875W (100%~115%)	>3080W~3540W (100%~115%)	>4080W~4690W (100%~115%)	>4080W~4690W (100%~115%)
Surge Power (Max.1 Sec)	<5000W /500ms			<8000W /500ms		
AC Voltage	100/ 110/ 115/ 120/ 200/ 220/ 230/ 240VAC					
Frequency	50/60 Hz±0.5%					
DC Voltage	12VDC	24VDC	48VDC	12VDC	24VDC	48VDC
No Load Current	0.8A	0.4A	0.25A	1.0A	0.5A	0.3A
Efficiency (MAX.)	90%	92%	93%	90%	92%	93%
Remote Standby Mode	≤ 0.08W	≤ 0.08W	≤ 0.08W	≤ 0.08W	≤ 0.08W	≤ 0.08W
Output Overload	1 minute automatic shutdown output, automatic lock, restart to recover					
Output Short	Output short circuit protection 3s shutdown lock, restart to recover					
Over Temperature	85 C ±5 C					
DC Input Reverse Polarity	By internal fuse open					
Working Temp	-30 C ~ +60 C					
Weight /Size	≈ 3.8KG / 364.5*237*85mm			≈ 5.8~6.3KG / 404.5*259*85mm		

Note1 - Normal Condition: Vin=12.5V / 25V / 50V Vo=100 / 110 / 115 / 120 VAC 80% Full load (PF=1.0)
 Note2 - Normal Condition: Vin=12.5V / 25V / 50V Vo=200 / 220 / 230 / 240 VAC 80% Full load (PF=1.0)