



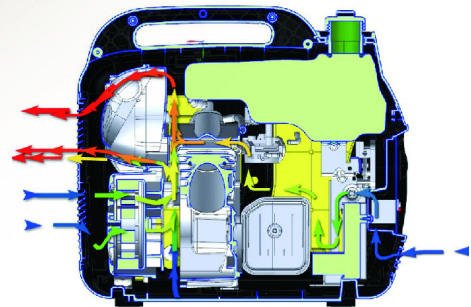
# Inverter Generators

## MULTIPLE FREQUENCY SPWM INVERTER TECHNOLOGY

The exclusively patented Multiple Frequency SPWM Inverter Technology offers a higher quality power output compared with ordinary frequency conversion technology. Its power quality conforms to international communication power supply secondary standard, and is superior to the national grid. It can be used as an outdoor portable power source and emergency power source for household electronic products.

## TWO CHAMBER CRANK CASE BREATHER

The unique two chamber crank case breather plays a very important role on the LC148F engine. A condensing oil and gas separation chamber is added in the circulation path of the engine oil and exhaust gas, where exhaust gas from crankcase experience two stage oil - gas separation. It greatly improves separation efficiency, reduces oil consumption and extends the service life of the engine. The oil consumption could be only 1.1g/kilowatt-hour.



## 3-WAY AIR COOLING CIRCULATION TECHNOLOGY

3-way air cooling circulation technology can extract cooling air from three different air inlets simultaneously, which complete the heat dissipation and cooling for several parts like inverter, engine, alternator etc. The three cooling airflow work separately and do not interfere with each other. The independent patent technology of a two-way air inlet impeller use the theory of radial flow impeller, which single impeller has the two-way air inlet function. This is to achieve the effect of cooling the alternator and hotspot all together, and the temperature rise for alternator is below 54K, while for hotspot is below 75 °C, which guarantee the reliability of the inverter generator.

## LOW-NOISE, LIGHTWEIGHT, PORTABLE AND ENVIRONMENTALLY FRIENDLY

ESC Intelligent speed control technology can adjust the engine speed according to the output load which saves 11% fuel consumption and reduces noise operation by 15% to 52dBA from a distance of 7 metres. The inverter generator LC2000i conforms to the latest European Emission Regulation Standards.







# Inverter Generators

## PROFESSIONAL INVERTER GENERATORS

This Loncin Inverter Generator is extremely quiet and reliable, and can be used to power anything from electronics to power tools. The parallel-ready design allows connecting two units together via cables. With less than 1.5% total harmonic distortion, this easily portable generator safely runs sensitive electronics with no interruptions or disturbances. 100% copper-wound heads allow operation at full load continuously for weeks without overheating – lasting longer, running cooler and without corroding compared to aluminium heads.

## PORTABLE POWER AND CONVENIENCE

The lightweight, easily portable Loncin Inverter Generator is rugged and ready to go wherever and whenever you need a reliable power source. You can take it camping, to a building site or and outdoor/sporting event. Whether you need convenience power or emergency power, the Loncin Inverter Generator is up to the task. With up to 2000 surge watts, there is enough power to operate today's essential electronics and small power tools.

## LC2000I-S (110V5)

Electrical output: 1.8kW max, 1.6kW rated

## LC2000I5 (230V)

Electrical output: 1.8kW max, 1.6kW rated

## LC3000I5 (230V)

Electrical output: 2.5kW max, 2.3 kW rated

## CLEAN POWER, FUEL-EFFICIENT AND QUIET

With less than 1.5% total harmonic distortion, the Loncin Inverter Generator provides power as safe, clean and reliable power you can get from your home's electrical outlets. You can trust it to safely run all your sensitive electronics with no interruptions or disturbances.

## ENVIRONMENTALLY-FRIENDLY

The Loncin Inverter Generator uses advanced Engine Smart Control and variable engine speed to use only the required engine power, helping reduce fuel consumption. It is also equipped with an "LC-POWER" low carbon powered engine that meets USA epa3 emission standard.

## SMALL SIZED, LIGHTWEIGHT AND MORE QUIET

The Loncin Inverter Generator is small in size and light weight. The noise level is 52dB at a distance of 7 metres –30%-50% lower than that of ordinary generator sets- which ensures quiet operation in an office or for outdoor leisure.



	<b>LC2000I-S (110V5)</b> Electrical output: 1.8kW max, 1.6kW rated	<b>LC2000I5 (230V)</b> Electrical output: 1.8kW max, 1.6kW rated	<b>LC3000I5 (230V)</b> Electrical output: 2.5kW max, 2.3kW rated
Engine Type	Single Cylinder, 4 stroke, forced cooling OHV		
Rated Output hp / (kW)	2.1 / (1.6)		3.0 / (2.3)
Bore x Stroke (mm)	48.6 x 43		65 x 45
Displacement (cc)	79		149
Compression Ratio	9 : 1		
Fuel Capacity (L)	4.2		4.5
Fuel Consumption (g/kW h)	≤ 395		
Running Time (h)	7		
Rated Frequency (Hz)	50		
Rated Voltage (V)	110	230	
Voltage Regulator System	FM-SPWM III		
Rated Output (kW)	1.6		2.3
Max Output (kW)	1.8		2.5
Power Factor	1.0		
DC Voltage (V)	12		
DC Current (A)	8.3		8.0
Starting System	Recoil		
Ignition System	C.D.I		
Noise (≤ 7m)	61dBA		
Dimensions (L x W x H mm)	499 x 285 x 455		
Net Weight (kg)	21		26.5
Oil Capacity (L)	0.35		

"S" inverters can be synchronised with additional "S" inverters



# Inverter Generators

## LC3500i5

Electrical output: 3.3kW max, 3kW rated

## LC7500i5

Electrical output: 7.5kW max, 6.5kW rated

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### PORTABLE POWER AND CONVENIENCE

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### CLEAN POWER, FUEL-EFFICIENT AND QUIET

With less than 1.5% total harmonic distortion, the Loncin Inverter Generator provides power as safe, clean and reliable power you can get from your home's electrical outlets. You can trust it to safely run all your sensitive electronics with no interruptions or disturbances.

### ENVIRONMENTALLY-FRIENDLY

The Loncin Inverter Generator uses advanced Engine Smart Control and variable engine speed to use only the required engine power, helping reduce fuel consumption. It is also equipped with an "LC-POWER" low carbon powered engine that meets USA epa3 emission standard.

### ELECTRIC START

The Loncin Inverter Generator can be started quickly and easily with the push of a button.





	LC350015 Electrical output: 3.3kW max, 3kW rated	LC750015 Electrical output: 7.5kW max, 6.5kW rated
Engine Type	Single Cylinder, 4 stroke, forced cooling OHV	
Rated Output hp / (kW)	4.0 / (3.0)	8.0 / (6.0)
Bore x Stroke (mm)	70 x 55	90 x 66
Displacement (cc)	212	420
Compression Ratio	8.5 : 1	
Fuel Capacity (L)	10	25
Fuel Consumption (g/kW h)	≤ 395	≤ 4.3 litres/h
Running Time (h)	11	
Rated Frequency (Hz)	50	50 / 60
Rated Voltage (V)	230	230
Voltage Regulator System	FM-SPWM III	
Rated Output (kW)	3.0	6.5
Max Output (kW)	3.3	7.5
Power Factor	1.0	
DC Voltage (V)	12	
DC Current (A)	8	
Starting System	Recoil / electric	Recoil / electric
Ignition System	C.D.I	
Noise (≤ 7m)	65dBA	58dBA
Dimensions (L x W x H mm)	578 x 440 x 510	920 x 765 x 773
Net Weight (kg)	45	130
Oil Capacity (L)	0.6	1.35



# Open Frame AVR Controlled Generators

## AUTOMATIC VOLTAGE REGULATOR

The Automatic Voltage Regulator prevents voltage surges to protect your electrical equipment.

## DUAL VOLTAGE

The Loncin open frame generators have 110v or 230v outputs.

## HEAVY DUTY FRAME

The Loncin open frame generators have a heavy duty frame making them portable and robust. The LC6000D-A and LC8000D-A have 2 wheels and fold out handles.

## HIGH CAPACITY FUEL TANKS

The Loncin open frame generators have high capacity fuel tanks for long running. The LC2500-AS and LC3500-AS have 18 litre fuel tanks and the LC6000D-A and LC8000D-A have 25 litre fuel tanks.

## LC2500-AS5

Electrical output : 2.2kW max, 2kW rated

## LC3500-AS5

Electrical output : 3.1kW max, 2.8kW rated

## LC6500D-AS5

Electrical output : 5.5kW max, 5kW rated

## LC8000D-AS5

Electrical output : 6.5kW max, 6kW rated



	<b>LC2500-AS5</b> Electrical output: 2.2kW max, 2kW rated	<b>LC3500-AS5</b> Electrical output: 3.1kW max, 2.8kW rated	<b>LC6500D-AS5</b> Electrical output: 5.5kW max, 5kW rated	<b>LC8000D-AS5</b> Electrical output: 6.5kW max, 6kW rated
Engine Model	G200F/G200FD	G210FA/G210FAD	G390F/G390FD	G420F/G420FD
Engine Type	Single cylinder, 4 stroke, OHV 25° inclined, forced air cooling			
Net Power hp / (kW)	5.5 / (4.1)	5.9 / (4.4)	11 / (8.2)	12 / (9.0)
Bore x Stroke (mm)	68 x 54	70 x 55	88 x 64	90 x 66
Displacement (cc)	196	212	389	420
Compression Ratio	8.5 : 1	8.2 : 1	8.0 : 1	8.3 : 1
Oil Capacity (L)	0.6		1.1	
Fuel Tank Capacity (L)	18		25	
Fuel Consumption (g/kw h)	≤ 395		≤ 374	
Approx Running Time (h)	Dependant on load		9	8
Rated Frequency (Hz)	50			
Rated Voltage (V)	110 / 230			
Voltage Regulator System	Automatic voltage regulation			
Sockets	2 x 16 amp		3 x 32 amp	
Rated Output (kW)	2	2.8	5.0	6.0
Max Output (kW)	2.2	3.1	5.5	7.5
Power Factor	1.0			
DC Charging Voltage (V)	12 (DC)			
DC Charging Current (A)	8.3 (DC)			
Starting System	Recoil		Recoil / Electric start	
Ignition System	Transistorized magneto			
Noise (≤ 7m)	76dBA			
Dimensions (L x W x H mm)	590 x 430 x 467		681 x 546 x 550	681 x 546 x 550
Net Weight (kg)	40	47	79	87





# Typical Application Power Rating

## 1000 Watts / 1.25kVA = 1.0k.W

ELECTRICAL EQUIPMENT	APPROX WATTAGE
Air Con 1hp	2500
Angle Grinder 125 mm	1100
Angle Grinder 230 mm	2200
Belt Sander	1100
Cement Mixer (Small)	1500
Central Heating Pump	800
Chainsaw	1600
Concrete Poker	2500
Cooker	12000 (minimum)
Computer and VDU	700
Coffee Machine	1300
Dehumidifier	3000
Deep Freeze	1500
Demolition Breaker	2400
Dishwasher	2000 - 3000

ELECTRICAL EQUIPMENT	APPROX WATTAGE
Fan Heater (2 bar)	2000
Fax Machine	600
Flood Light TH	500
Flood Light MH	1000
Fluorescent Tube	60
Floor Sander (200mm)	2000
Food Mixer	500
Fridge	700 - 1000
Hair Dryer	1500 - 2300
Hair Straighteners	150
Hammer Drill	1000
Hedge Trimmer	600
Hi-Fi	300
Hot Air Gun	3000

This is an approximate guide only. Please consult the equipment manufacturer for precise wattage.  
If in doubt, select next largest generator.



ELECTRICAL EQUIPMENT	APPROX WATTAGE
Iron	1000
Iron (Steam)	2200
Jigsaw	600
Kettle	2500 - 3000
Lawnmower	600 - 1200
Lawn Raker	500
Light Bulb (Domestic std)	25 - 100
Microwave 900W	1500
Orbital Sander	500
Planer	1000
Power Drill	500 - 900
Power Float	1500
Photocopier	1500
Pressure Washer	3000 - 6000
Printer	400

ELECTRICAL EQUIPMENT	APPROX WATTAGE
Radiator (Oil Filled)	1000 - 2000
Router	1600 - 1900
Saw (Chain)	1500
Saw 250mm (Masonry)	4000
Saw (Mitre)	1600
SAT / Cable TV Receiver	25
Strimmer	500
Television	200
Toaster	1050 - 1500
Treadmill (Domestic)	2300
Tumble Dryer	2500
Vacuum Cleaner	1000 - 1300
Washing Machine	4000
Water Heater	3000

This is an approximate guide only. Please consult the equipment manufacturer for precise wattage. If in doubt, select next largest generator.