



GENERATOR COMPARISON SHEET & APPLICATION CHART

Item Code	RG-950	RG-1200	RG-1250i	RG-2250i	RG-2700	RG-3500	RG-6900K	RG-7000K	RG-7900K
Maximum Power	950 W	1.2 kW	1.2 kW	2.2 kW	2.5 kW	3.0 kW	5.5 kW	6.5 kW	7.5 kW
Rated Power	650 W	1.0 kW	1.0 kW	2.0 kW	2.0 kW	2.5 kW	5.0 kW	6.0 kW	6.8 kW
Voltage & Frequency	230V, 50Hz	230V, 50Hz	230V, 50Hz	230V, 50Hz	230V, 50Hz	230V, 50Hz	230V, 50Hz	230V, 50Hz	230V, 50Hz
Rated Current	2.8 A	4.35 A	4.35 A	8.7 A	8.7 A	10.9 A	23.9 A	26 A	28 A
DC Voltage	12 V	12 V	12 V	12 V	12 V	12 V	12 V	12 V	12 V
Fuel	Unleaded	Unleaded	Unleaded	Unleaded	Unleaded	Unleaded	Unleaded	Unleaded	Unleaded
Fuel Tank	4 L	6.5 L	3.5 L	7 L	12 L	15 L	25 L	25 L	25 L
Fuel Mix	50:1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Engine Type	2-stroke air cooled	Vertical OHV, 4-stroke Forced air cooled, single cylinder	4-stroke air cooled, Inverter	4-stroke air cooled, Inverter	4-stroke air cooled	4-stroke air cooled	4-stroke air cooled	4-stroke air cooled	4-stroke air cooled
Displacement	63 cc	100 cc	53.5 cc	135 cc	196 cc	212 cc	389 cc	460 cc	460 cc
Start System	Recoil pull start	Recoil pull start	Recoil pull start	Recoil pull start	Recoil pull start	Key start / Recoil pull start	Push button start / Pull start	Push button start / Pull start	Push button start / Pull start
Estimated Run Time	6 hrs	8 hrs	4.5 hrs	4.5 hrs	10 hrs	7 hrs	8 hrs	7 hrs	7 hrs
Weight	20.5 kg	25 kg	12.8 kg	19 kg	41.5 kg	44 kg	87 kg	88 kg	90 kg
Regulated Voltage (AVR)	No	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes

Service & Maintenance Intervals

Remember: This schedule is based on the assumption that your generator will be used for its designed purpose. Sustained high-load or high-temperature operation, or use in unusually wet or dusty conditions, will require more frequent servicing.

1. Service more frequently when used in dusty or enclosed areas.
2. For commercial use, log hours of operation to determine proper maintenance intervals.
3. If not used frequently, recharge the battery every 3 months.
4. A major service is recommended every year or 300 Hrs.
5. Do not use a generator in unventilated areas.

ITEM Performed at every indicated month or hour interval which ever comes first.		Before each use	Every Month or 20 Hrs	Every 3 Months or 50 Hrs	Every 6 Months or 100 Hrs
Engine Oil	Check	✓			
	Change		✓		
Air Cleaner	Check	✓			
	Clean			✓	
Spark plug	Clean / Adjust				✓
Fuel Tank and Filter	Clean			✓	

Audio Visual & Computer Equipment

It is highly recommended to use a Ryobi Generator with an Automated Voltage Regulator (AVR) or an Un-interruptable Power Supply (UPS) when using sensitive electronic equipment. If these items are used on a regular generator, and they are damaged by a power surge, the manufacturer/ supplier cannot be held liable.

Important Point:

The most important fact to remember when buying a generator is to ascertain what it will be used for and to identify the power requirement, expressed in Watts. All generators have a Maximum Power and Rated Power output quoted specification. Always take the Rated Power Output figure. It must be remembered that when operating generators at altitude, the performance is affected by air density. In other words, a petrol motor at the coast will run at its given output and inland $\pm 17\%$ less output.

Too low Watts / Volts available = Equipment Burnout or Possible Damage.

Conventional Generator Vs Inverter Generator

Buying Consideration	Analysis	Generator	Inverter
Size/weight/portability	The compact size, relatively light weight and resulting portability of inverter generators make them the clear winner in this category.		✓
Run times	Because their design is less size-conscious, conventional generators can allow for bigger fuel tanks, yielding longer run times. That said, inverters make better use of the fuel they have and their run times of 10 hours and more are generally more than adequate for their applications	✓	✓
Fuel efficiency	Inverters often use smaller, more efficient engines than Conventional generators. In addition, because the engine can adjust the throttle to meet the current load requirements, they use less fuel.		✓
Noise	Many inverter generators have been designed specifically to keep noise to a minimum. In addition, they can throttle back under lighter loads, further reducing noise. Conventional designs simply can't compete in this category.		✓
Max power output	Conventional generators vary greatly in their rated wattage, anywhere from 500 up to 50,000 watts and more. Inverter Generators are generally available up to 4000 watt models.	✓	
Quality of power output	Conventional generators hook their AC alternators directly to the load, without any processing. Inverter generators convert the AC output to DC and back to AC, producing much "cleaner" and higher-quality power than conventional units.		✓
Price	This is where conventional generators come out on top. While prices on inverter generators have come down, their more complex design and sophisticated electronics, keep their price higher than a conventional unit.	✓	

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How to work out consumption requirements:
SUM of Device Watts ÷ 1000 = Kilo Watts (kW)

Volts (V) = Always 230V (Std in S.A.)

Watts (W) = Amps (A) x Volts (V)

Amps (A) = Watts (W) ÷ Volts (V)



Remember:

Electric motors require a minimum power source of up to 3 x their rating to start!

(Add any "Startup" Watts to the total SUM of your consumption requirements.)

Refer to the chart below to estimate which Ryobi Generator will meet your requirements.

PLEASE NOTE: This is only a guide, please consult your equipment's handbook for accurate power usage requirements. Ryobi cannot be held responsible for damage to appliances or equipment due to incorrect usage.

	800W	2.5KW	4.2KW	6KW

