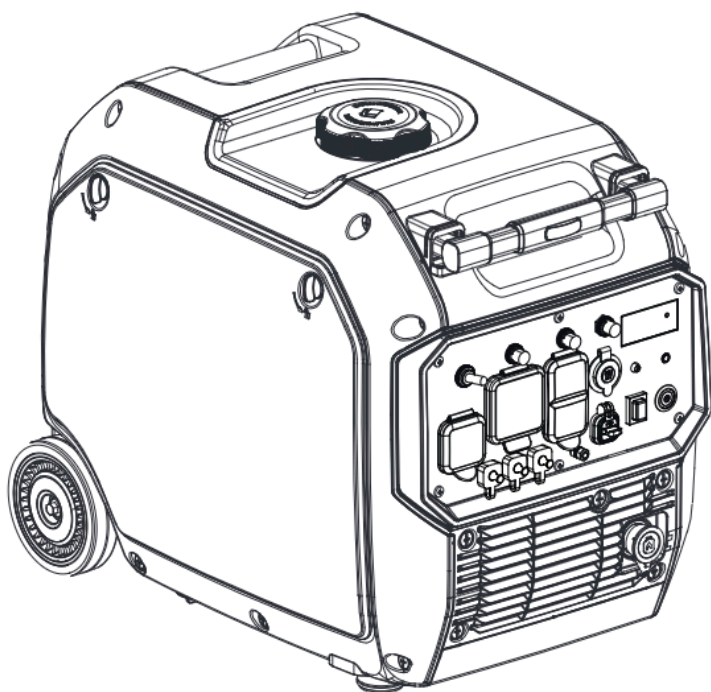




FLEXPOWER[®]

6500ies

Owner's Manual



RVMP Flex Power[®] 6500W

Silent Inverter Portable Generators

Single & Dual-Fuel Models

RVMP-251340
RVMP-250030



Safety & Warnings

IMPORTANT

- Keep this manual with the unit **at all times**.
- Provide manual to any future operator.

Read Before Operation

- Read and understand this manual before operation the generator.
- Failure to follow instructions may result in **property damage, serious injury, or death**.
- This generator is intended for **residential consumer use only**.

DANGER: Carbon Monoxide (CO)

- Engine exhaust contains **carbon monoxide**, a colorless, odorless gas.
- **NEVER operate indoors** or in enclosed/semi-enclosed areas (garage, RV, building, or near windows/doors).
- Always operate in a **well-ventilated outdoor area**, away from structures.

DANGER: Fire & Explosion

- Gasoline is **highly flammable and explosive**.
- Refuel **outdoors only** with engine OFF and cooled.
- Keep fuel away from sparks, flames, and heat sources.
- Do not operate with fuel leaks.
- Store fuel properly and **never store near the generator**.
- Keep a fire extinguisher nearby.

WARNING: Electrical Shock

- Improper use can result in **serious injury or death**.
- Always **properly ground** the generator.
- Do not operate in **wet conditions** or with wet hands.
- Do not use damaged cords or touch exposed wires.
- Do not connect directly to a building without a **transfer switch installed by a qualified electrician**.
- Prevent backfeed into utility lines.

WARNING: Fire Hazard During Operation

- Engine may produce sparks.
- Use only in areas free of flammable materials.
- Spark arrestor may be required depending on local regulations

WARNING: Hot Surfaces

- Engine and exhaust become extremely hot during operation.
- Do not touch while running or shortly after stopping.
- Allow unit to cool before handling or storage.

WARNING: Moving Parts

- Keep hands, hair, and clothing away from moving components.
- Do not operate without covers or guards installed.
- Never place body parts near the unit while running.

WARNING: General Operation Safety

- Inspect for **damage, leaks, or loose parts** before use.
- Operate only on a **level surface**.
- Keep all guards and covers in place.
- Maintain at least **3ft.** clearance around the unit.
- Keep children and pets away.
- Never operate unattended.

CAUTION: Fuel & Maintenance

- Use **fresh, clean gasoline only**.
- Do not overfill fuel tank.
- Allow unit to cool before refueling.
- Use recommended engine oil only.
- Disconnect spark plug before servicing.

CAUTION: Equipment Use

- Do not overload the generator.
- Use only for intended applications.
- Do not modify the unit.
- Do not block ventilation or cooling slots.
- Do not expose to excessive moisture, dust, or debris.

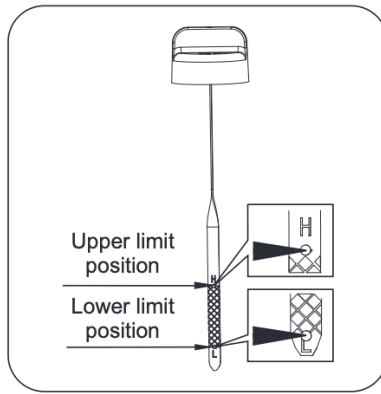
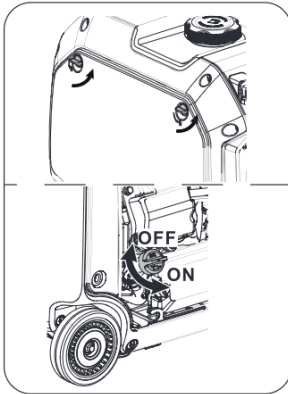
COMPLIANCE & INSTALLATION

- Follow all **local, state, and federal regulations**.
- Proper grounding and installation are required.
- Spark arrestors may be required in certain areas.
- Improper installation or use may void warranty and cause injury.

Get Up and Running

1. Add Oil (Required Before First Use)

- Remove dipstick
- Add SAE **10W-30** engine oil
- Fill to upper limit
- Engine will not start without proper oil level



2. Add Fuel

- For single-fuel model, use fresh unleaded gasoline and do not overfill tank
- If using operating a dual-fuel model, add fuel or connect propane to connector.

3. Connect the Battery

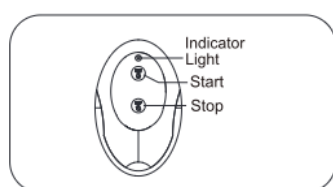
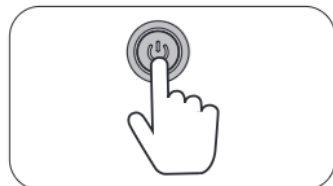
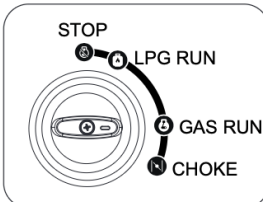
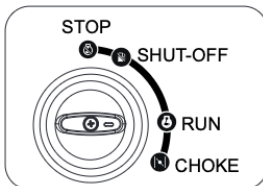
- Remove the battery maintenance cover.
- Connect the battery terminal to the motor terminal securely.
- Reinstall the maintenance cover before operation.

4. Start Generator

- Cold start → Turn combination switch to choke position.
- Warm start → Turn combination switch to GAS RUN or LPG RUN (if applicable).

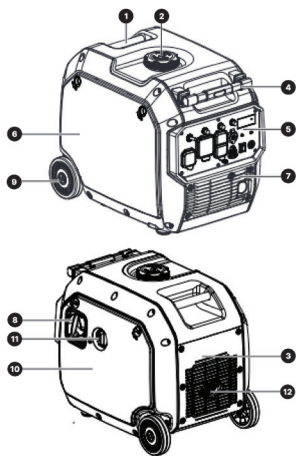
5. Turn On

- Ensure unit is properly grounded.
- Use push button start or remote



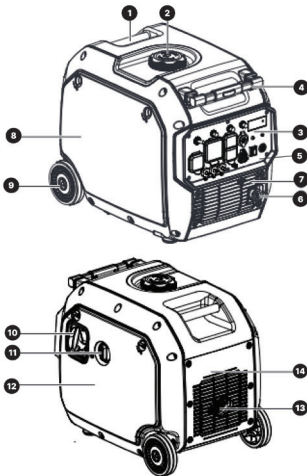
Unit Overviews

6500ies Single-Fuel



- 1 Rear lift handle
- 2 Fuel tank cap
- 3 Silencer shutter
- 4 Telescoping handle
- 5 Panel assembly
- 6 Left maintenance panel
- 7 Air inlet shutter
- 8 Wheels
- 9 Combination switch
- 10 Right maintenance panel
- 11 Silencer

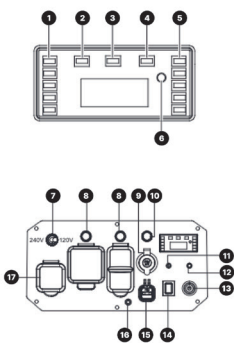
6500ies Dual-Fuel



- 1 Rear lift handle
- 2 Fuel tank cap
- 3 Fuel display
- 4 Telescoping handle
- 5 Panel assembly
- 6 LPG connector
- 7 Air inlet shutter
- 8 Wheels
- 9 Combination switch
- 10 Start handle
- 11 Right maintenance panel
- 12 Silence shutter
- 13 Left maintenance panel
- 14 Silencer

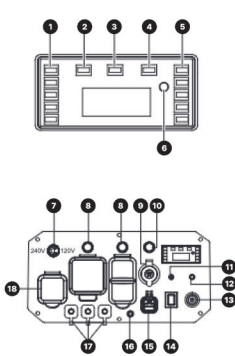
Control Panels

6500ies Single-Fuel



- 1 Power indicator
- 2 Overload indicator
- 3 Running indicator
- 4 Oil level indicator
- 5 Fuel display
- 6 Reset button
- 7 Voltage change
- 8 AC breaker
- 9 DC 12V
- 10 DC breaker
- 11 CO lamp
- 12 Learning button
- 13 Switch button
- 14 ECO mode
- 15 USB port
- 16 Ground terminal
- 17 AC output receptacle

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- 15 USB port
- 16 Ground terminal
- 17 Parallel kit terminal
- 18 AC output receptacle

Routine Maintenance

Shut down the generator before servicing. Disconnect all electric devices and battery (if equipped), and cool down the generator completely.

Service the generator in a clean, dry and flat area.

Follow the service intervals indicated in the chart below. Service your generator more frequently when operating in adverse conditions.

		Each Time Before Use	First Month or 10 Hours	Every 3 Months or 50 Hours	Every 6 Months or 100 Hours	Every Year or 300 Hours
Engine Oil	Inspection	✓				
	Replacement		✓		✓	
Air Filter	Inspection	✓				
	Cleaning			✓		
Spark Plug	Inspection and Adjustment				✓	
	Replacement					✓
Spark Extinguisher	Cleaning				✓	
Idle Speed	Inspection and Adjustment					✓
Valve Clearance	Inspection and Adjustment					✓
Carbon Canister	Inspection	Every Two Years				
Low Permeability Oil Tube	Inspection	Every Two Years				
Oil Tube	Inspection	Every Two Years				

General Maintenance Tips

- Regularly run the generator if it will be stored for extended periods of time
- Keep the unit clean and free of dirt, dust, and debris
- Avoid blocking air intake and cooling vents
- Never operate without a clean, properly installed air filter
- Check and maintain proper engine oil levels before each use
- Inspect spark plug condition periodically and replace if needed
- Use fresh, clean fuel and avoid old or contaminated gasoline
- Drain fuel for long-term storage to prevent buildup and clogging
- Check for loose bolts, fittings, or damaged components before operation
- Keep all electrical connections clean and dry
- Store in a dry, well-ventilated area when not in use
- Avoid operating in excessively wet or dusty environments
- Follow the recommended maintenance schedule in this manual

Common Issues

Issue	Cause	Solution
Generator will not start	Main switch is in the "OFF" position	Turn the main (two-in-one) switch to the "RUN" position
	Lack of fuel (gas or LPG)	Fill the fuel tank or ensure LPG supply is connected and valve is open.
	Lack of engine oil	Check oil level. Engine will not start if oil is below minimum due to low-oil protection.
	No ignition	Remove spark plug cap. Clean around plug and remove it. Check for spark by grounding plug and pulling recoil starter. Replace if no spark. Reinstall and restart. Contact customer service if needed.
	Spark plug flooded	Remove the spark plug and dry it thoroughly before reinstalling
	Generator shuts off after running	Turn the fuel cap vent to the "ON" position. Check fuel and oil levels and refill if necessary.
Generator has no output	Circuit breaker tripped	Reset the circuit breakers.
	Improper or undersized extension cords	Verify extension cords meet the required specifications outlined in this manual. Contact customer support if needed.

Storage Tips

- Allow the generator to **cool completely** before storage or transport
- Clean the generator according to the **Maintenance section**
- Drain all fuel from the tank, fuel line, and carburetor to prevent buildup
- Turn the **main switch to "OFF"** to shut off fuel and power
- Drain engine oil if storing for an extended period (see Engine Oil section)
- Remove the spark plug and add a small amount of oil to the cylinder, then pull the recoil starter gently to distribute oil
- Reinstall the spark plug after lubrication
- Store the generator in a **clean, dry, well-ventilated** area away from direct sunlight
- Disconnect the battery (if equipped) for long-term storage

Warranty Registration

Scan here to register your warranty or visit:
www.rvmp.co/warranty



Scan here to view the full manufacturing manuals or visit:
www.rvmp.co/manuals



Need Support?

If you need assistance with your generator, our customer support team is here to help. Whether you have questions about setup, operation, or troubleshooting, we're committed to getting you the support you need quickly and efficiently. You can reach out to us online at www.myflexpower.com, send us an email at support@rvmp.co, or give us a call at (855) 427-7978. Our team is ready to assist you and ensure you get the most out of your Flex Power® generator.



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For additional
information or support,
please call:

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www.myflexpower.com