

## 200988 - 4500W DUAL FUEL INvERTER GENERATOR IMPORTANT SAFETY INSTRUCTIONS

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### ◊ WARNING

Spark from removed spark plug wire can result in fire or electrical shock.

When servicing the generator:

Disconnect the spark plug wire and place it where it cannot contact the plug or any other metal object.

DO NOT check for spark with the plug removed.

Use only approved spark plug testers.

### ◊ WARNING

Running engines produce heat. Severe burns can occur on contact. Combustible material can catch fire on contact.

DO NOT touch hot surfaces.

Avoid contact with hot exhaust gases.

Allow equipment to cool before touching.

Maintain at least 3 ft. (91.4 cm) of clearance on all sides to ensure adequate cooling.

Maintain at least 5 ft. (1.5 m) of clearance from combustible materials.

### ◊ WARNING

Rapid retraction of the recoil cord will pull hand and arm towards the engine faster than you can let go. Broken bones, fractures, bruises or sprains could result. Unintentional startup can result in entanglement, traumatic amputation or laceration.

When starting engine, pull the recoil cord slowly until resistance is felt and then pull rapidly to avoid kickback.

DO NOT start or stop the engine with electrical devices plugged in and turned on.

### ◊ WARNING

Although the generator contains a spark arrester, maintain a minimum distance of 5 ft. (1.5 m) from dry vegetation to prevent fires.

### ◊ CAUTION

Exceeding the generator's running capacity can damage the generator and/or electrical devices connected to it.

DO NOT overload the generator.

DO NOT tamper with the governed speed.

DO NOT modify the generator in any way.

### ◊ CAUTION

Start the generator and allow the engine to stabilize before

connecting electrical loads.

Connect electrical equipment in the off position, and then turn them on for operation.

Turn electrical equipment off and disconnect before stopping the generator.

**Ø CAUTION**

Improper treatment or use of the generator can damage it, shorten its life or void the warranty.

Use the generator only for intended uses.

Operate only on level surfaces.

DO NOT expose generator to excessive moisture, dust, or dirt.

DO NOT allow any material to block the cooling slots.

If connected devices overheat, turn them off and disconnect them from the generator.

DO NOT use the generator if:

- Electrical output is lost
- Equipment sparks, smokes or emits flames
- Equipment vibrates excessively

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**Fuel Safety**

**Ø DANGER**

GASOLINE, GASOLINE VAPORS, AND PROPANE ARE HIGHLY FLAMMABLE AND EXPLOSIVE

Fire or explosion can cause severe burns or death.

Gasoline and gasoline vapors:

- Gasoline vapors are highly flammable and explosive.
- Gasoline vapors can cause a fire or explosion if ignited.
- Gasoline is a liquid fuel and the resulting gasoline vapors can ignite and cause a fire or explosion.
- Gasoline is a skin irritant and needs to be cleaned up immediately if spilled on skin or clothes.
- Gasoline has a distinctive odor, this will help detect potential leaks quickly.
- In any petroleum gas fire, flames should not be extinguished unless by doing so the fuel supply valve can be turned OFF.

This is because if a fire is extinguished and a supply of fuel is not turned OFF, then an explosion hazard could be created.

- Gasoline vapors expand and contract with ambient temperatures. Never fill the gasoline tank past the red FULL indicator on the fuel filter, as gasoline vapors needs room to

expand if temperatures rise.

## ⊖ **WARNING**

Propane/LPG (liquified petroleum gas) and LPG Vapors:

- LPG is a hydrocarbon gas that exists in a liquified form and it's vapors are highly flammable and explosive.
- LPG and it's vapors are under pressure and can cause a fire or explosion if ignited.
- LPG vapors are heavier than air and will settle in low places while dissipating.
- LPG itself is odorless and tasteless. For safety, a chemical is added to give it an odor to help detect leaks quickly.
- If a leak is detected, IMMEDIATELY turn OFF the gas supply.
- In the event of an LPG fire and only when safe to do so, first close the regulator valve OFF and then use a dry powder extinguisher to put out the fire. This is because if a fire is extinguished before the regulator valve is closed OFF, then an explosion hazard condition could be created.
- Always keep the LPG cylinder in an upright position.
- LPG is a skin irritant and can cause severe cold burns similar to frostbite.
- Always wear proper protective gloves when connecting to and disconnecting from a propane bottle.
- Always keep LPG away from sparks, open flames, pilot lights, heat and other sources of ignition.

## ⊖ **WARNING**

When adding or removing gasoline:

DO NOT light or smoke cigarettes.

Always stop the engine and allow to cool for a minimum of two minutes before refueling.

Always loosen gasoline cap slowly to release vapor pressure and to keep fuel from escaping around the gasoline cap.

Always replace and tighten the gasoline cap securely after fueling.

Never remove the gasoline cap or add gasoline while the engine is running or when the engine is hot.

Only fill or drain gasoline outdoors in a well-ventilated area.

DO NOT pump gasoline directly into the generator at the gas station.

Always store gasoline in an EPA/CARB compliant container or to transfer the gasoline to the generator.

DO NOT overfill the gasoline tank.

Always keep gasoline, propane and natural gas vapors away

from sparks, open flames, pilot lights, heat and other sources of ignition.

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### ◊ **WARNING**

When starting the generator:

DO NOT attempt to start a damaged generator.

Always check that the gasoline cap, air filter, spark plug, fuel lines and exhaust system are properly in place.

Always allow spilled gasoline to evaporate fully before attempting to start the engine.

Always check the connections of the supply hose for leaks before using LPG fuel.

Always be certain that the generator is resting firmly on level ground.

### ◊ **WARNING**

When operating the generator:

DO NOT move or tip the generator during operation.

### ◊ **WARNING**

When transporting or servicing the generator:

Always check that the fuel valve is in the OFF position and the gasoline tank is empty.

Always check that the LPG supply hose is disconnected and stored securely away from the generator after use.

Disconnect the spark plug wire.

### ◊ **WARNING**

When storing the generator:

Always store away from sparks, open flames, pilot lights, heat and other sources of ignition.

Never store generator, gasoline or LPG cylinders near furnaces, water heaters, or any other appliances that produce heat or have automatic ignitions.

### ◊ **DANGER**

NEVER place a gasoline container, gasoline tank, LPG cylinder or any combustible material in the path of the exhaust stream during operation of the engine.

### ◊ **WARNING**

Never use a gasoline container, gasoline tank, LPG connector hose, LPG cylinder or any other fuel item that is broken, cut, torn or damaged.

## **Lithium-ion battery Safety**

## θ WARNING

Electrolyte inside the battery is harmful to skin and eyes.

Electrolyte may pose an increased risk of harm if not handled properly.

If the battery leaks and electrolyte gets in your eyes, do not rub them. Instead, rinse them with clean running water and immediately seek medical attention. If left untreated, electrolyte can cause permanent eye injury. Keep away from children.

When using the generator:

- Do not use the battery near sources of high heat or fire.
- Do not reverse or short-circuit the positive (+) or negative (-) terminals.
- Do not use the battery in parallel or in series.
- Do not discharge battery in temperatures below 14°F (-10°C) or above 104°F (40°C).

When charging the battery:

- Use only battery chargers and/or battery maintainers designed for lithium-ion batteries.
- Do not charge the battery with voltage over 15.0V and current over 1.6A.
- Do not charge the battery below 32°F (0°C) or above 113°F (45°C).
- Always remove battery from the battery cradle before charging separately.
- Never leave the battery unattended while charging. If the battery smokes, swells or gives off an odor during charging, terminate charging immediately.
- If the battery becomes hot to the touch, stop charging. Allow battery to cool before resuming.
- After charging, leave the battery sitting for 0.5 to 1 hour before checking the voltage. If the voltage is less than 12.8V, additional charging is necessary.

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When storing the generator/battery:

- Always check that the battery connectors between the inverter and the battery are unplugged and placed away from the battery terminals.
- Always inspect the battery case for obvious signs of physical damage or warpage.
- Do not store the battery near sources of high heat or fire.
- Store the battery in a dry, well ventilated area between

-4°F (-20°C) and 104°F (40°C).

- Do not store the battery when discharged to 20% or less state of charge (SOC).
- The battery should be charged for 10~30 mins every 180 days when in storage, to keep the battery in good condition.

In case of battery damage:

- If damaged, battery may emit hazardous fumes. If fumes are present, move battery to a well-ventilated area.
- Do not try to repair the battery.

Safe disposal of Lithium-ion battery:

- Lithium-ion batteries contain elements that pose health risks to individuals if they are allowed to leach into the ground water supply. In many states and counties, it may be illegal to dispose of these batteries in standard household waste.
- In the United States and Canada, a large network of over 30,000 battery drop-off locations may be found at [www.call2recycle.org](http://www.call2recycle.org).
- To dispose the battery safely, apply tape over any exposed connectors to prevent accidental shorting of the positive and negative terminals of the battery during transport.
- Place the battery in a clear sturdy plastic bag, seal the bag and deposit the battery into the recycling container at your local municipal hazardous waste (HHW) recycling location.
- Never dispose of the battery in a fire or incinerator, as the battery may catch fire and explode.

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#### Safety Symbols

Some of the following symbols may be used on this product. Please study them and learn their meaning. Proper interpretation of these symbols will allow you to more safely operate the product.

#### SYMBOL MEANING

Read Operator's Manual. To reduce the risk of injury, user must read and understand operator's manual before using this product.

Clearance. Keep all objects at least 5 feet (1.5m) from generator. Heat from the muffler and exhaust gas can ignite combustible objects.

Ground. Consult with local electrician to determine grounding requirements before operation.

Electric Shock. Failure to use in dry conditions and to observe safe practices can result in electric

shock. Improper connections to a building can allow current to backfeed into utility lines, creating an electrocution hazard. A transfer switch must be used when connecting to a building. Fire/Explosion. Fuel and its vapors are extremely flammable and explosive. Fire or explosion can cause severe burns or death. Keep generator at least 5 feet (1.5m) from all objects to prevent combustion.

Hot Surface. To reduce the risk of injury or damage, avoid contact with any hot surface.

Open Flame Alert. Fuel and its vapors are extremely flammable and explosive. Keep fuel away from smoking, open flames, sparks, pilot lights, heat, and other ignition sources.

Wet Conditions Alert. Do not expose to rain or use in damp location.

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### SYMBOL MEANING

This product uses lithium-ion (Li-ion) batteries. Local, state, or federal laws prohibit disposal of

Li-ion batteries in ordinary trash. In the United States and Canada, a large network of over 30,000

battery drop-off locations may be found at [www.call2recycle.org](http://www.call2recycle.org) and/or consult your local waste

authority for information regarding available recycling disposal options.

Blindness or severe burns. Electrolyte solution can cause blindness or severe burns.

Shield eyes. Explosive gases can cause blindness or injury.

If damaged, battery may emit hazardous fumes. If fumes present, move battery to a well-ventilated area.

Eye protection. Always wear eye protection with side shields marked to comply with ANSI Z87.1.

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### Operation Symbols

Some of the following symbols may be used on this product. Please study them and learn their meaning. Proper interpretation of these symbols will allow you to more safely operate the product.

### SYMBOL MEANING

Propane Hose Inlet

Start

On

Choke

Stop or Off

ECO  
Economy Mode Button

Low Oil

Overload Reset Button

Circuit Breaker Reset: Push

#### SYMBOL MEANING

Ground Terminal

Neutral Floating. Neutral circuit IS

NOT electrically connected to the frame/ ground of the generator.

Parallel Connection(s)

12V Direct Current

Gasoline Tank: Full

Gasoline Tank: Empty

RV Ready Receptacle

Power Output. Percentage of available power from generator being used.

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### Quick Start Label Symbols

Some of the following symbols may be used on this product. Please study them and learn their meaning. Proper interpretation of these symbols will allow you to more safely operate the product.

10W-30

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2 4 163 5 2

2711-L-OP-A

2711-L-OP-C

ColorsLPN 2711-L-OP

Rev C

Size 190 x 25 mm

Artwork Notes

2mm safe margin; to be printed on white substrate

Revision Changes

B: changed choke direction

C: Hand sign changed to OFF sign

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outside parties without the explicit consent of Champion Power Equipment.

K 376 186 152 CG12945

### Starting the Engine- Manual Start

#### Ø DANGER

Move generator outside and far away from windows, doors and intake ventilation covers.

1. Check oil level.

Recommended oil is 10W-30.

2. Check gasoline level.

When adding gasoline, use a minimum octane rating of 87 and an ethanol content of 10% or less by volume.

3. Turn EZ Start dial to the full "CHOKE" position.

4. Pull the recoil cord.
5. Turn the EZ Start dial to the “RUN” position.
6. Plug in desired device.

#### Stopping the Engine

1. Turn off and unplug all connected electrical loads.
2. Turn the EZ Start dial to the “STOP” position.

For adding fuel and starting the engine with LPG see Add Fuel:

Propane (LPG) in Assembly section and Starting the Engine:

Propane (LPG) in the Operation section.

For Electric Start, see “Starting the Engine” section in the Operation section.

## 200988 - 4500W DUAL FUEL INVERTER GENERATOR CONTROLS AND FEATURES

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## CONTROLS AND FEATURES

Read this operator’s manual before operating your generator. Familiarize yourself with the location and function of the controls and features. Save this manual for future reference.

### Generator

1. Fuel Gauge
2. Fuel Cap – Remove to add fuel.
3. Folding Handle – Used to move unit by lifting and rolling on wheels. Do not use to lift or carry the unit.
4. Battery Access Cover
5. Control Panel – See Control Panel section.
6. Recoil Starter – Used to manually start the engine.
7. Never Flat Wheels – 5 in. (12.7 cm)
8. Oil Fill Access Cover
9. LPG Inlet – Used to connect LPG fuel source to generator.
10. Carrying Handle(s) – Used to lift or carry the unit.
11. Muffler
12. Maintenance Cover

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65

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11 12

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