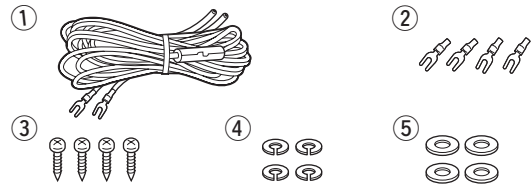


Thank you for purchasing the PS-250 DC-DC POWER SUPPLY.

Please read these instructions and transceiver's instruction manual carefully before installation and operation.

SUPPLIED ACCESSORIES

- ① DC power cable 1
- ② Terminals 4
- ③ Self-tapping screws (M5×20 mm) 4
- ④ Spring washers 4
- ⑤ Flat washers..... 4



PRECAUTIONS

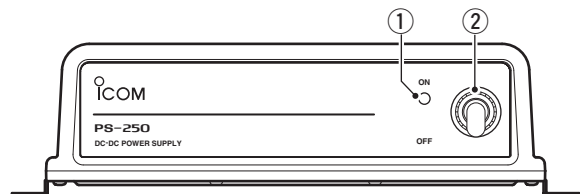
- **NEVER** apply AC voltage to the DC input terminals on the rear panel. This could cause a fire or damage the power supply.
- **NEVER** apply more than 32 V DC to the DC input terminal on the rear panel. This could cause a fire or damage the power supply.
- **NEVER** connect the power supply to a DC power source using reverse polarity. This will damage the power supply.
- **NEVER** let metal, wire or other objects touch any internal part or terminals on the rear panel of the power supply. This may result in an electric shock.
- **NEVER** open the bottom cover. There are no user adjustment points. Opening the case may expose you to electric shock and incorrect reassembly may cause a fire hazard.
- **NEVER** expose the power supply to rain, snow or any liquids.
- **DO NOT** use or place the power supply in areas with temperatures below -15°C or above $+55^{\circ}\text{C}$.
- **DO NOT** use chemical agents such as benzene or alcohol when cleaning, as they can damage the power supply's surfaces.
- **DO NOT** place the power supply against walls or put anything to behind the power supply. This will obstruct heat dissipation.
- **BE CAREFUL!** The surface will become hot when operating the power supply continuously for long periods.
- **KEEP** the power supply out of the reach of children.

IMPORTANT!

The connected transceiver may receive switching noise from this power supply depending on the antenna used and/or installing conditions, etc.

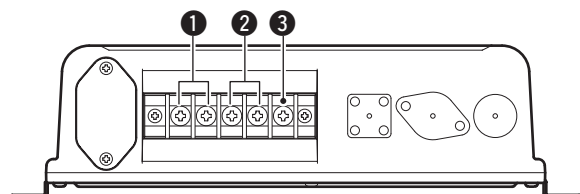
PANEL DESCRIPTIONS

• Front Panel



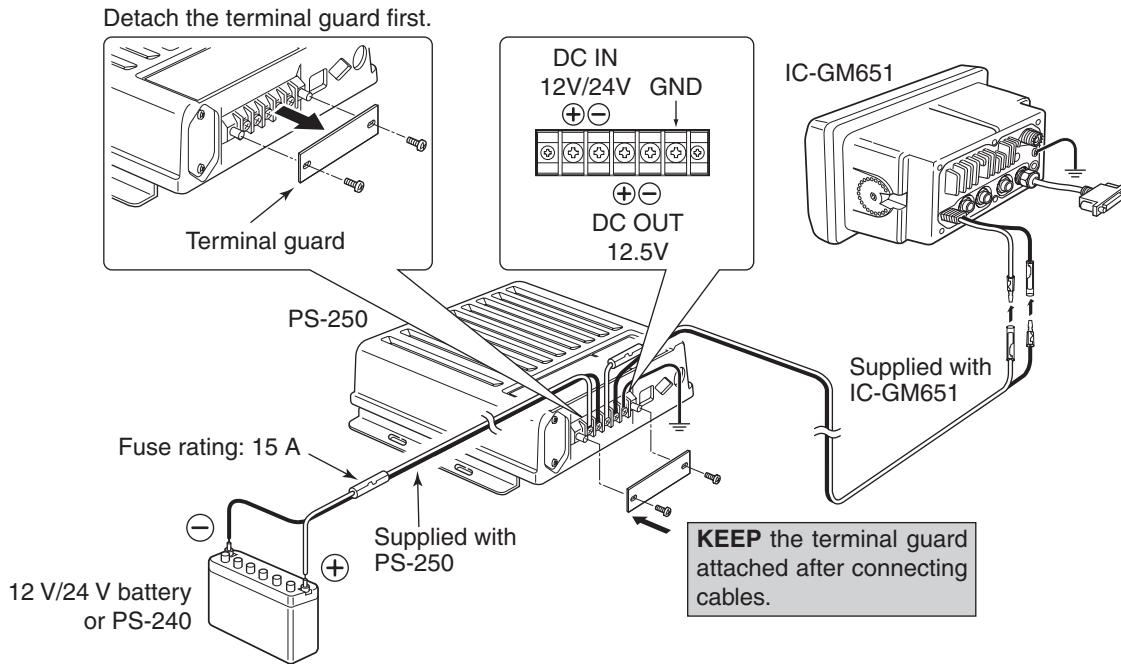
- ① **POWER INDICATOR**
Lights green during the power supply is turned ON.
- ② **POWER SWITCH**
Toggles to turn the power supply ON or OFF.

• Rear Panel



- ① **DC POWER INPUT TERMINALS**
Connect the 12 V/24 V storage battery or 10.8 V to 31.2 V DC power supply through the supplied DC power cable.
- ② **DC POWER OUTPUT TERMINALS**
Connect to the IC-GM651 through the DC power cable supplied with IC-GM651.
- ③ **GROUND TERMINAL**
Connects this terminal to ground to prevent electrical shocks.

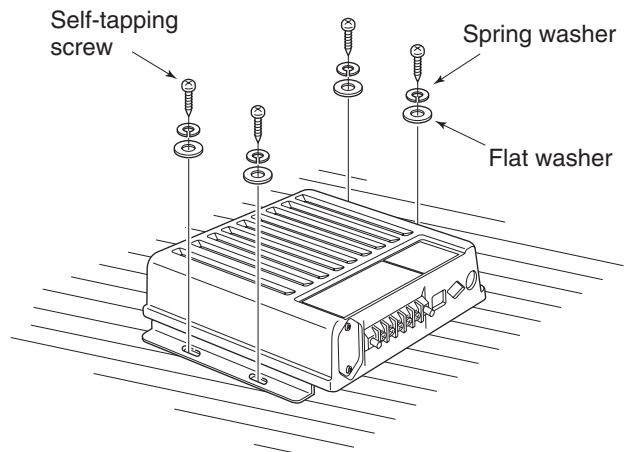
CONNECTIONS



INSTALLATION

- Mount the power supply securely with the four supplied screws (M5×20 mm) to a surface which is more than 10 mm thick and can support more than 5 kg.

CAUTION: KEEP the power supply at least 1 meter away from your vessel's magnetic navigation compass.



SPECIFICATIONS

- DC input voltage : 10.8 V to 31.2 V DC
- Output voltage : 12.5 V DC
- Maximum output current : 5.3 A (nominal)
- Usable temperature range : -15°C to +55°C
- Dimensions : 250(W)×67(H)×200(D) mm
(projections not included)
- Weight (approx.) : 2.1 kg

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FUSE REPLACEMENT

One fuse is installed in the supplied DC power cable. If a fuse blows or the power supply stops functioning, track down the source of the problem, if possible, and replace the damaged fuse with a new, rated one.

