

CAUTION

1. Even though the chassis of the unit is negatively grounded, use correct terminals to connect cable.
2. When plugging the unit into a wall outlet, it must be turned off.
3. Place the unit in a dry and well ventilated area.
4. Never touch the unit while it is working. Even though it is designed for high efficiency, the unit will still get hot.
5. If a short circuit occurs while operating the unit, the unit will be protected by a short circuit protection function. Turn off the unit and repair the cause of the short circuit immediately, then turn it back on.
6. Do not use the unit for devices that require high current input at the start, such as motorized equipment. Do not use the unit to charge a car battery.
7. Do not use a car cigarette lighter element in the cigarette lighter socket on the unit.
8. Before replacing a fuse make sure that the unit has been turned off. Be sure to use the specified type of fuse.
9. Make sure the product is always suitably grounded to prevent electric shock and to reduce noise.
10. Never disassemble, modify or touch the inside of the unit unnecessarily. That could cause damage to the product and make the warranty invalid.

CircuitSpecialists

SWITCH MODE

DC REGULATED POWER SUPPLY

CSI23SWI

INSTRUCTION MANUAL

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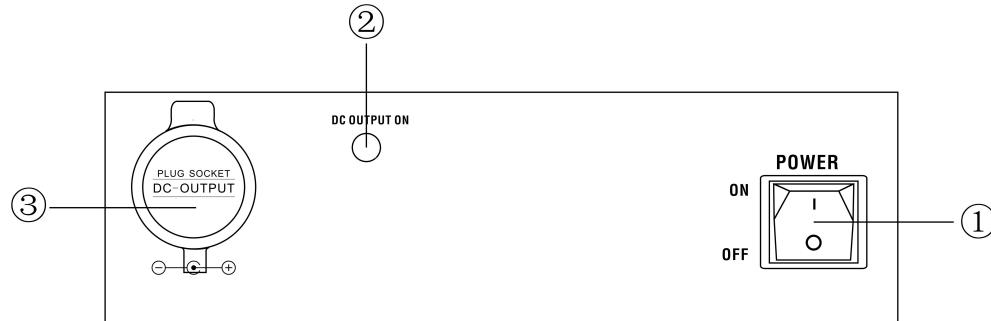
tel:800-528-1417/480-464-2485

fax:480-464-5824

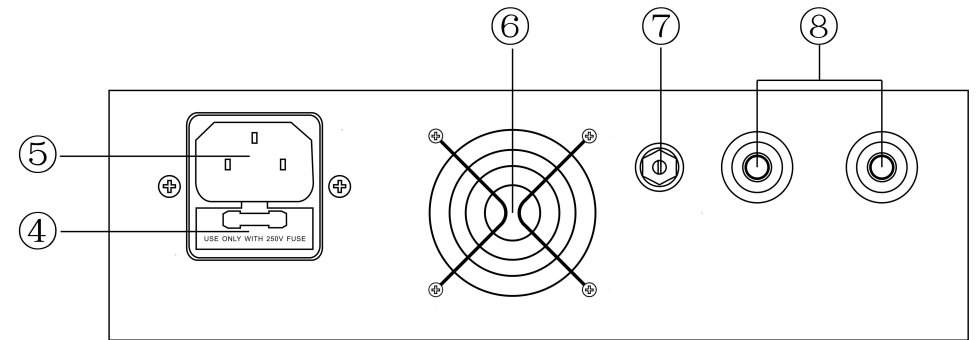
INTRODUCTION

CSI23SWI is a highly efficient, lightweight, high performance switching power supply designed in a small footprint chassis. It is well shielded to reduce Radio Frequency Interference at close range. It has the small footprint of popular radio transceiver. It has constant current protection, over temperature protection and output Over Voltage Protection(OVP) to ensure better reliability and safer protection to both the power supply and its connected load. There is one main DC output at the rear and a front mounted cigar socket to provide convenient DC connectivity. It has excellent line and load regulation, low ripple and noise.

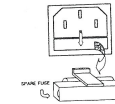
PART NAMES AND FUNCTIONS



1. **Power switch:** Turns the unit on and off.
2. **Power Indicator.**
3. **Cigarette plug terminal:** 10A max.



4. **FUSE**
5. **Input power cable:110V/60Hz**
6. **Cooling fan**
7. **output voltage fine tuning knob:10-15V**
8. **Rear Output terminal: 23A max; Red positive; black negative.**



SPECIFICATIONS

1. Input voltage: 110V/60Hz
2. Output voltage: Fixed 13.8VDC \pm 0.5V
3. Output voltage regulation: < 2%+/-
4. Protection modes: Overload, Over Temperature, Short Circuit (Protection by Constant Current Circuitry), and Output Over Voltage Protection
5. Output current: 25A (max) , 23A (continuous)
6. Ripple & Noise: \leq 50mVp-p
7. Fuse: 110V:8A
8. Dimensions:181x63x190 mm
9. Weight; 1.6kg