

QUASAR

PSU673

POWER SUPPLY
0-20V / 2A

INSTRUCTION MANUAL

GB

Congratulations on the purchase of this Quasar Electronics power supply.
Please read this manual carefully prior to use.

Safety recommendations:

- If the unit is damaged to an extent that you can see internal parts, do not plug the unit in a mains outlet. In this case, please contact Quasar Electronics
- If the plug and/or mains lead are damaged, they need to be repaired by a qualified technician.
- Only connect this unit to an earthed mains outlet of 230Vac/50Hz.
- Always unplug the unit during a thunderstorm or when it is not in use.
- If the unit has not been used for a longer period of time, condensation can occur inside the housing. Please let the unit reach room temperature prior to use.
- When you unplug the unit from the mains always pull the plug, never the lead.
- For indoor use only.
- Keep out of the reach of children.
- The unit should only be used under the control of a qualified person in schools, hobby and self service centres.
- Do not use in humid environments.
- Do not let liquids enter the housing through the ventilation holes.
- Do not place the unit in a warm location (max. 30°C).
- Do not obstruct the ventilation holes and the heat sink. Leave enough space for sufficient ventilation.
- Do not touch the heat sink during operation. It might be hot !
- Never open the unit yourself. Repairs should only be carried out by qualified staff.
- The capacitors inside the unit might still be charged, even if the unit is unplugged.
- Never plug or unplug the unit with wet hands.
- Before maintenance or repairs, the unit must be unplugged from the mains.
- Disconnect the unit from the mains prior to replacing the fuse.
- The unit has an excellent short circuit protection circuit. Always remove a short circuit as quickly as possible in order to avoid wear and tear of the parts and excessive power consumption.
- The unit is not suitable for prolonged use under full load.

Operation:

Controls on the front panel:

1. Voltage and current display
2. Voltage adjustment knob
3. ON/OFF switch
4. 2 connection terminals:
 - red (+)
 - black (-)

Powering of an appliance:

Plug the power supply into a mains outlet. Switch the unit on. The LED must light up.

First set the required voltage via the adjustment knob (2) and then connect the appliance to be powered to the red (+) and black (-) terminal.

The current display shows the current consumption. If the voltmeter (voltage) drops out, the load of the power supply might be too high or short-circuited. In that case, check the wiring and reduce the load in order to let the unit operate properly.

The power supply can deliver continuously a current of 2A for a max. 30 minutes. It can supply permanently a current of 1.5 Amps provided that it is placed in a sufficiently ventilated location.

Trouble-Shooting:

If the unit doesn't operate properly:

- Check if the unit is correctly plugged into a mains outlet and all connections are correct.
- Check if voltage is present at the mains outlet.
- Disconnect the appliance from the power supply and check if it works properly now. If it does, check the appliance to be powered and its wiring.
- If everything is correctly wired and the unit still does not operate, switch it off and unplug it from the mains.

Disconnect the appliance from the power supply.

Check if the fuse on the rear side of the power supply is blown. In this case replace it with a new glass fuse of F0,5A.

Plug the power supply to the mains again and switch it on without load. Check if it works properly. If the power supply still doesn't work, unplug it immediately and have it checked by a Quasar Electronics approved repair service.

If the power supply works properly, check the appliance to be powered and the connections.

Specifications:

Input voltage:230V / 50 Hz

Fuse rating: F0,5A

Output voltage:0-20 Volts adjustable

Max. ripple voltage: < 15mV (@ 2 A)

Output current:..... 0-2 Amps

Dimensions: 155 x 115 x 220mm

Weight:2,6Kg

Do not attempt to make any repairs yourself. This would invalid your warranty.

Do not make any changes to the unit. This would also invalid your warranty.

The warranty is not applicable in case of accidents or damages caused by inappropriate use or disrespect of the warnings contained in this manual.

Quasar Electronics cannot be held responsible for personal injuries caused by a disrespect of the safety recommendations and warnings. This is also applicable to all damages in whatever form.
