Mulview

SWITCH POWER SUPPLY

120W single output UPS switching power supply **SC-120 series**

## ■ Features

- Low price and high reliability
- AC input power suitable for the world
- High efficiency and low operation temperature
- Soft-start current can reduce the AC input impact effectively
- With Short-circuit and overload protection
- 100% full-load burning test
- Battery low voltage protection
- Installed with EMI filter, minimum wave.
- 2 years warranty

## ■ Specification

| Model<br>Specification | SC-120-12 | | SC-120-24 | |
|---|---|---|---|---|
| DC output voltage | CH1: 13.8 V | CH2:1 3.4 V | CH1:2 7.6 V | CH2:2 6.5 V |
| Output voltage error（Note：2） | ±1% | ----- | ±1% | ±1% |
| Rated output current | 8A | 0.5A | 4A | 0.3A |
| Output current rage | 0-8A | ----- | 0-4A | ----- |
| Wave and noise(Note ： 3） | 120mVp-p | ----- | 180mVp-p | ----- |
| DC output power | 117.1W | | 118.4W | |
| Efficiency | 84% | 84 % | 86% | 86% |
| Adjustable range for DC voltage | CH 1:1 1.3～14.9 V | | CH 1:2 1.3～29.8 V | |
| AC input voltage range | 88-132VAC/170-264V AC Selected by switch,47-63Hz；240-370VDC | | | |
| Input current | 2.8/115V 1.4A/230A | | | |
| AC Inrush current | Cold-start current 30A/115V 50A/230V | | | |
| Leakage current | <1mA/240VAC | | | |
| Overload protection | 105%-150%Type:Foldback:current limiting reset: auto recovery | | | |
| Battery low voltage protection | 9.5～11V | | 20～22V | |
| UPS function | High efficiency charge, Battery can be charged more than 90% full | | | |
| | Cut charging automatically when finish charge, protect battery from overcharge | | | |
| | Utility Power and battery switch automatically | | | |
| | Cold start function, battery can start UPS when utility power cut | | | |
| Temperature coefficient | ±0.03%/℃（0-50℃） | | | |
| Setup rise hold up time | 200ms,50ms,20ms | | | |

| | |
|---|---|
| Vibration | 10-500Hz,2G 10min,/1cycle，Period for60min，Each axes |
| Withstand voltage | Input and output internal：1.5KVAC,Input and enclosure：1.5KVAC,Output and enclosure：0.5KVAC |
| Isolation resistance | Input and output internal: Input and enclosure, Output and enclosure：500VDC/100MΩ |
| Working temperature and humidity | -10℃~+60℃（Refer to output derating curve），20%~90%RH |
| Store temperature and humidity | -20℃~+85℃。10%~95%RH |
| Overall dimension | 159×98×38mm |
| Weight | 0.45Kgs |

Note：

1.The testing condition for the parameter above is :230VAC input, rated load,25℃70% RH.Humidity.

2. Error.include the setting error, line stability and load stability. (Note: 5).

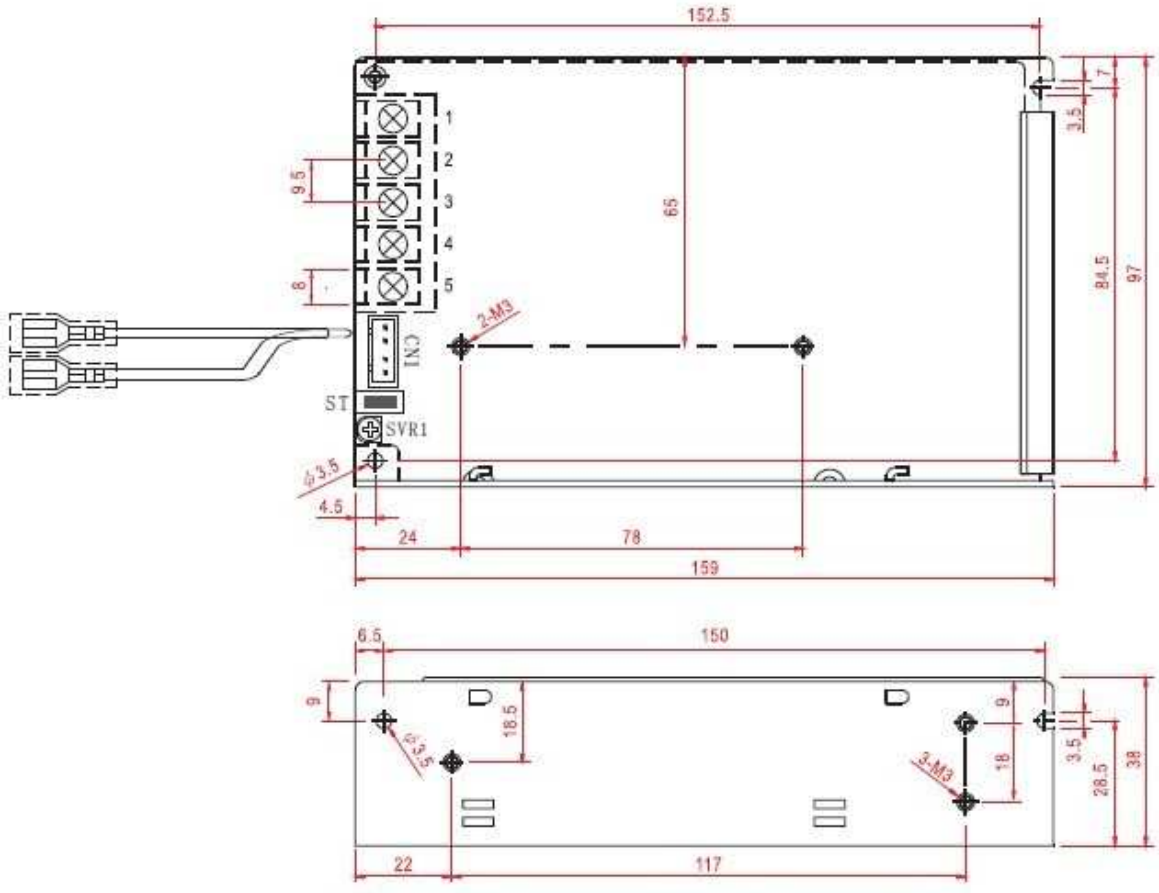
3.Wave test: adopting "A12"double wire for 20MHz, and 0.1UF&47UF capacitor short-circuit for interrupting.

4. Inlet voltage stability test: when is over load, the lowest voltage of inlet is up to the highest voltage.

5. Load stability test: the load is from 0% to 100%.

## ■ Shape and installation dimension

**Unit: mm**



**Terminal Pin No Assignment（7 point 9. 5mm Pin）**

| Pin No. | Assignment | Pin No. | Assignment |
|---|---|---|---|
| 1 | AC INPUT/L | 4 | DC OUTPUT COM |
| 2 | AC INPUT/N | 5 | DC OUTPUT +V |
| 3 | FG ⏚ | | |

| LED color | Indicate |
|---|---|
| Green | DC output |
| Red | AC input |
| White | Battery charge |

## ■ Notice

1. Be sure to confirm the signification of sign above the pole before connection.

**L:** LINE（AC input） **N：** Neutral (AC input) ⏚**(FG):** Protective Ground

**-V (COM):** DC output cathode
**+V:** DC output anode
**VADJ:** Output Voltage adjustment

2. Switch power supply can be used 110V and 220V AC power for input, The AC Voltage switch is in the top of the power supply sub-rack. Before plug in please check the voltage position is correct or not otherwise may take a permanent damage in this power supply.
3. Be sure to keep the ground wire connection, avoid electric shock and common mode interference or differential mode interference.

Shenzhen mulview technology limited is professional manufacturer developing Switching Power Supply, CCTV power supply and AC/DC Adapter. We can make OED/OEM.

***Multiple view, more attention!***

**Mulview Technology Limited**
http://www.mtlcctv.com
TEL: 0086-755-88849659 FAX: 0086-755-83722362 E-mail: mulviewcctv@gmail.com, sales@mtlcctv.com