



Dimension: 159 × 98 × 38mm

Features:

- Universal AC input/Full range
- Small volume, low weight, high efficiency
- Protections: Short circuit / Overload
- Indicator for power on/charge/normal(LED)
- 100% full load burn-in test
- Battery protection at low voltage
- 2 Years warranty



SPECIFICATION

| Model | | SC-120-12 | | SC-120-24 | |
|---------------------------|---|---|-----------|------------------|-----------|
| Output | DC voltage | CH1:13.8V | CH2:13.4V | CH1:27.6V | CH2:26.5V |
| | Voltage tolerance | ± 1% | ----- | ± 1% | ----- |
| | Rated current | 8.0A | 0.50A | 4.0A | 0.30A |
| | Current range | 0 ~ 8.0A | ----- | 0 ~ 4A | ----- |
| | Rated power | 117.1W | | 118.4W | |
| | Ripple & noise | 120mVp-p | ----- | 180mVp-p | ----- |
| | DC voltage ADJ. range | CH1:11.3 ~ 14.9V | | CH1:21.3 ~ 29.8V | |
| Setup, rise, hold up time | 800ms,50ms,80ms/230VAC.1600ms,50ms,16ms/115VAC. | | | | |
| Input | Voltage range | 90 ~ 132VAC/180 ~ 264VAC(selected by switch) or 255 ~ 370VDC | | | |
| | AC current | 2.8A/115VAC 1.4A/230VAC | | | |
| | Efficiency | 84% | | 86% | |
| | Inrush current | cold-start current 30A/115VAC 50A/230VAC | | | |
| | leakage current | < 1mA/240VAC | | | |
| Protection | over load | rated output power 110% ~ 150% start over load protection protection type: AC charging mode :hiccup mode, auto-recovery after fault condition is removed | | | |
| | battery protection at low voltage | 9.5 ~ 11V | | 20 ~ 22V | |
| | | protection mode :cutoff output | | | |
| Function | UPS introduction | long-term online floating charge to battery,high charging efficiency,battery can saturate to more than 90% | | | |
| | | auto-stop charging when it's full,prevent over charging. Effectively extend battery life | | | |
| | | AC/battery auto switch,no switch time,no need human guard | | | |
| | | cold-start ,when there is no AC input ,can use battery start UPS,Meet the user's emergency needs | | | |
| Environment | Working temp, humidity | -20°C ~ +50°C;20% ~ 90%RH(Please refer to "derating curve") | | | |
| | Storage temp, humidity | -40°C ~ +85°C;10% ~ 95%RH Non-condensing | | | |
| | Withstand vibration | 10 ~ 500Hz, 5G 10min./1Cycle, Period for 60min, Each axes | | | |
| Safety | Withstand voltage | I/P-O/P: 1.5KVAC I/P-FG: 1.5KVAC O/P-FG: 0.5KVAC | | | |
| | Isolation resistance | I/P-O/P: I/P-FG,O/P-FG: 100M Ohms/500VDC | | | |
| Fit standard | Safety standard | Compliance to UL 62368-1,TUV 62368-1,EN62368-1 | | | |
| | EMC Standard | Compliance to EN 55032 CLASS A | | | |
| Others | Weight | 159*98*38mm (L*W*H) | | | |
| | Packing | 0.56kg/45pcs/24kg | | | |

Note: 1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.
 2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor.
 3. Tolerance : includes set up tolerance, line regulation and load regulation

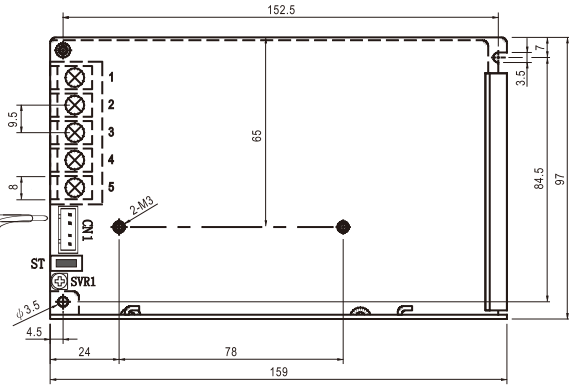
Mechanical specification

Unit:mm

PIN assignment

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

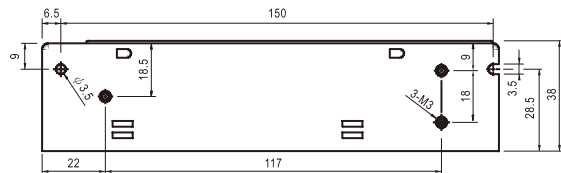
+B(red)
-B(black)



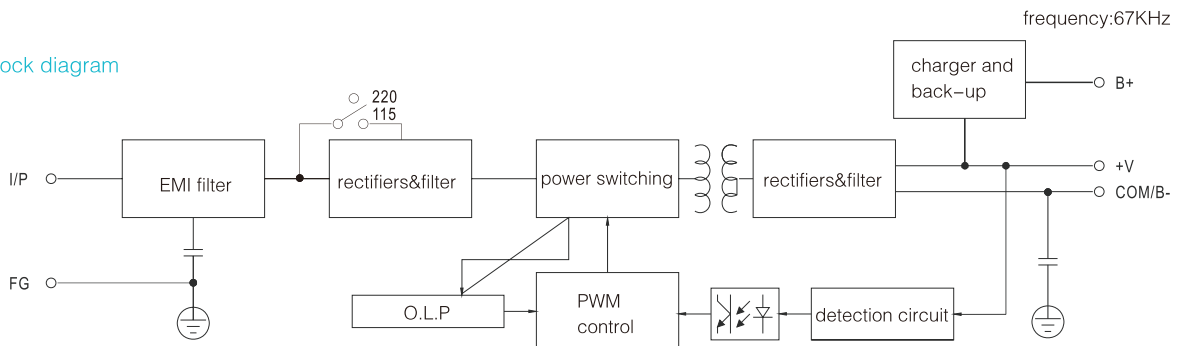
circumscribed indicator explain

| indicator color | explain |
|-----------------|--------------------------|
| green | DC OUTPUT indicator |
| red | AC INPUT indicator |
| white | battery charge indicator |

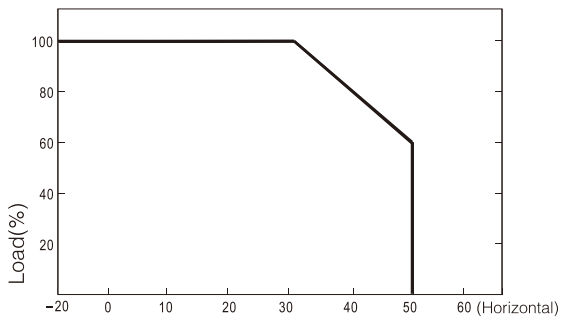
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Block diagram

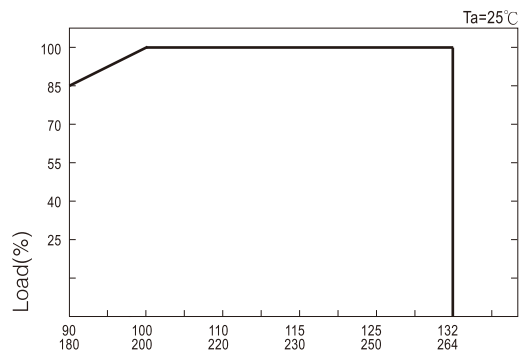


Derating curve



Ambient temperature(°C)

Static characteristic



Input voltage(V)50Hz