

Series SC120



120

WATTS

POWER SUPPLY AC/DC

SINGLE OR MULTI-OUTPUT

Universal AC input

Class B EMI

Power factor correction

**Worldwide safety approvals
UL1950, CSA950, EN60950 & CE**

Industry standard footprint

Choice of single, dual, triple and quad output

Guarantee 1 year

INPUT

| | |
|-------------------------|--|
| Input voltage range | 90-264VAC |
| Inrush current limiting | <36A peak @ 230VAC cold start @25°C |
| Frequency | 47-63Hz |

OUTPUT

| | |
|---|--|
| Power | 120W (peak) 110W (forced air) 30cfm 80W (convection) |
| Output voltage adj. range | SCS120: +10 -5% SCQ120P03051212: V2 only +/-5%, all other models:V1 only, +/-5% |
| Line regulation | 0.1% (typ). |
| Load regulation output 1 output 2 | +/-2% <5V +/-3%, 6V-15V +/-5%, 15V + 10 -5% |
| output 3 output 4 | +/-5% +/-5% |
| Hold up | 16mS (typ) @115VAC and full load |
| Transient response | <10% deviation, recovery <1mS for any 25% load change in the range 20%-100% load. |
| Inrush current limiting | <36A peak @ 230VAC cold start @ 25°C |
| Ripple and noise | 1%, or 50mV min. pk-pk measured across 10µF & 0.1µF capacitor on load cables 6" from power supply |
| Over current protection | short circuit protected |
| Over voltage protection | SCQ120P03051212: V1 & V2 only. All other models V1 only. |

GENERAL

| | |
|--------------|---|
| Efficiency | 70% (typ). |
| Remote sense | SCQ120P03051212: V1 & V2 only. All other models V1 only. Compensates for 0.25V drop per lead |
| Start up | <1s |

ENVIRONMENTAL

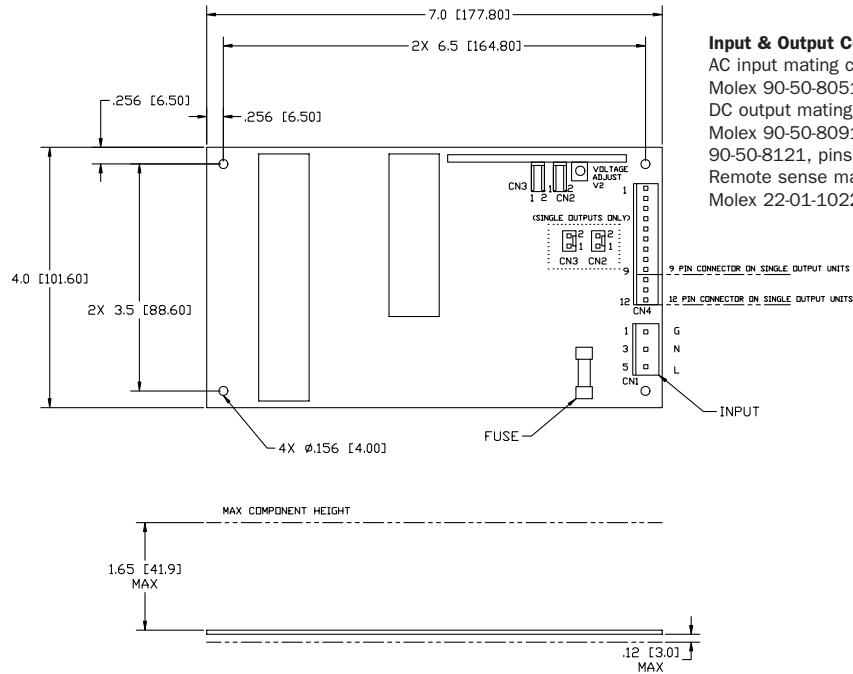
| | |
|-----------------------|--|
| Operating temperature | 0°C to 50°C |
| EMI | FCC B, EN55022 Class B conducted |
| Shock | <20G |
| Vibration | 10Hz-55Hz amplitude (sweep 1 min). Less than 2G, X, Y & Z axis for 1 hour each |
| Storage temperature | 20°C to 85°C |

TABLE OF MODELS

| Model | Power (W) | Output (V) | Output (A) | | Max. output (A) forced air | Max peak (A) |
|------------------|-----------|------------|------------|------|----------------------------|--------------|
| | | Nominal | Min | Max | | |
| SCS120P03 | 72.6 | 3.3 | 0.0 | 16.0 | 22.0 | 25.0 |
| SCS120P05 | 110 | 5.0 | 0.0 | 16.0 | 22.0 | 25.0 |
| SCS120P12 | 110 | 12.0 | 0.0 | 6.7 | 9.2 | 10.4 |
| SCS120P15 | 110 | 15.0 | 0.0 | 5.3 | 7.3 | 8.3 |
| SCS120P24 | 110 | 24.0 | 0.0 | 3.3 | 4.6 | 5.2 |
| SCS120P48 | 110 | 48.0 | 0.0 | 1.7 | 2.3 | 2.6 |
| SCD120P0524 | 110 | 5.0 | 2.0 | 9.0 | 11.0 | 15.0 |
| | | 24.0 | 0.5 | 3.5 | 4.5 | 5.0 |
| SCT120P030512 | 110 | 3.3 | 0.0 | 8.0 | 16.0 | 28.0 |
| | | 5.0 | 1.0 | 10.0 | 20.0 | 28.0 |
| | | 12.0 | 0.2 | 2.0 | 3.0 | 4.0 |
| SCQ120P05241212R | 110 | 5.0 | 2.0 | 9.0 | 11.0 | 15.0 |
| | | 24.0 | 0.0 | 3.0 | 3.0 | 5.0 |
| | | 12.0 | 0.0 | 0.7 | 1.0 | 1.5 |
| | | -12.0 | 0.0 | 0.7 | 1.0 | 1.5 |
| SCQ120P05241515R | 110 | 5.0 | 2.0 | 9.0 | 11.0 | 15.0 |
| | | 24.0 | 0.0 | 3.0 | 3.0 | 5.0 |
| | | 15.0 | 0.0 | 0.7 | 1.0 | 1.5 |
| | | -15.0 | 0.0 | 0.7 | 1.0 | 1.5 |
| SCQ120P051021205 | 110 | 5.0 | 2.0 | 9.0 | 11.0 | 15.0 |
| | | 12.0 | 0.0 | 4.5 | 5.0 | 9.0 |
| | | -12.0 | 0.0 | 0.7 | 1.0 | 1.5 |
| | | -5.0 | 0.0 | 0.7 | 1.0 | 1.5 |
| SCQ120P03051212 | 110 | 3.3 | 0.0 | 8.0 | 16.0 | 28.0 |
| | | 5.0 | 1.0 | 10.0 | 20.0 | 28.0 |
| | | 12.0 | 0.2 | 2.0 | 3.0 | 4.0 |
| | | -12.0 | 0.0 | 0.5 | 1.0 | 1.0 |

PHYSICAL SPECIFICATION

Size (WxLxH)
4" x 7" x 1.8"
Max. component height



Input & Output Connections

AC input mating connector
Molex 90-50-8051, pins 08-58-0111
DC output mating connector:
Molex 90-50-8091 CS120P, all other models
90-50-8121, pins 08-58-0111;
Remote sense mating connector:
Molex 22-01-1022, pins 08-50-0114

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