



SERIES NUMBER: ETS 120~150 W DESKTOP DESCRIPTION: SWITCHING POWER SUPPLY

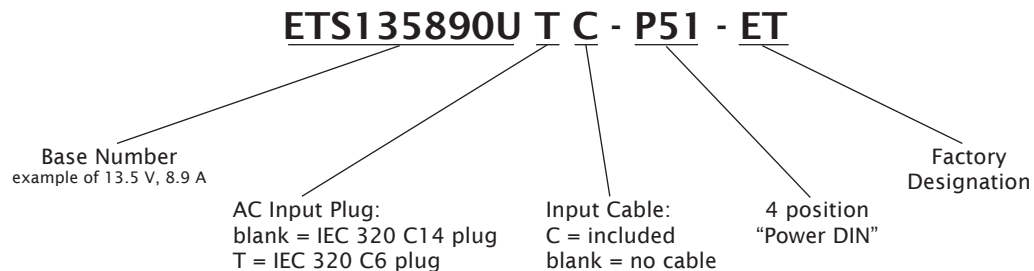
FEATURES

- universal AC input
- regulated output voltage
- active PFC
- short circuit, over load protection
- LED indicator for power on
- meets EISA efficiency regulations
- custom designs available



| MODEL | output voltage | | output current | | output wattage | ripple | efficiency | efficiency level | cord length |
|-------------|----------------|---------|----------------|---------|----------------|----------|------------|------------------|-------------|
| | nominal (V) | min (A) | max (A) | max (W) | max. (mVp-p) | typ. (%) | | (mm) | |
| ETS1201000U | 12 | 0 | 10 | 120 | 200 | 85 | V | 1200 ±30 | |
| ETS135890U | 13.5 | 0 | 8.9 | 120.2 | 200 | 85 | V | 1200 ±30 | |
| ETS150830U | 15 | 0 | 8.3 | 124.5 | 200 | 85 | V | 1200 ±30 | |
| ETS160810U | 16 | 0 | 8.1 | 129.6 | 200 | 85 | V | 1200 ±30 | |
| ETS180750U | 18 | 0 | 7.5 | 135 | 250 | 87 | V | 1200 ±30 | |
| ETS190750U | 19 | 0 | 7.5 | 142.5 | 250 | 87 | V | 1200 ±30 | |
| ETS200710U | 20 | 0 | 7.1 | 142 | 250 | 87 | V | 1200 ±30 | |
| ETS240625U | 24 | 0 | 6.25 | 150 | 250 | 87 | V | 1200 ±30 | |

PART NUMBER KEY





SERIES NUMBER: ETS 120~150 W DESKTOP DESCRIPTION: SWITCHING POWER SUPPLY

INPUT

| parameter | conditions/description | min | nom | max | units |
|---------------------------|--|----------------------------|-------------|-----|-------|
| rated input voltage | | 100 | | 240 | V ac |
| input voltage range | | 90 | | 264 | V ac |
| rated frequency | | 50 | | 60 | Hz |
| frequency range | | 47 | | 63 | Hz |
| rated input current | | | | 2.5 | A |
| inrush current | 230 V ac, full load, cold start, 25°C | | | 100 | A |
| no load power consumption | | | | 0.5 | W |
| PFC | complies with IEC 61000-3-2 class D harmonic standard, input power >75 W | at 100 V ac at 240 V ac | 0.95 0.9 | | |

OUTPUT

| parameter | conditions/description | min | nom | max | units |
|--------------------------|------------------------|-----|------|-----|-------|
| load regulation | | | ±5 | | % |
| over voltage protection | | | 140% | | V dc |
| over current protection | | | 140% | | A |
| short circuit protection | auto-recovery | | | | |

SAFETY & EMI

| parameter | conditions/description | min | nom | max | units |
|------------------|--|-----|-----|------|-------|
| HI-POT | input to output at 10 mA for 1 second | | | 1800 | V ac |
| safety approvals | UL 60950-1, cUL 22.2 No.60950-1-03, TUV EN60950-1 | | | | |
| EMI standard | FCC part 15 class B, CNS 13438 class B, CISPR 22 class B | | | | |
| RoHS compliant | yes | | | | |

ENVIRONMENTAL

| parameter | conditions/description | min | nom | max | units |
|-----------------------|------------------------|-----|-----|-----|-------|
| operating temperature | | 0 | | 40 | °C |
| operating humidity | | 20 | | 80 | % |
| storage temperature | | -20 | | 85 | °C |
| storage humidity | | 0 | | 90 | % |

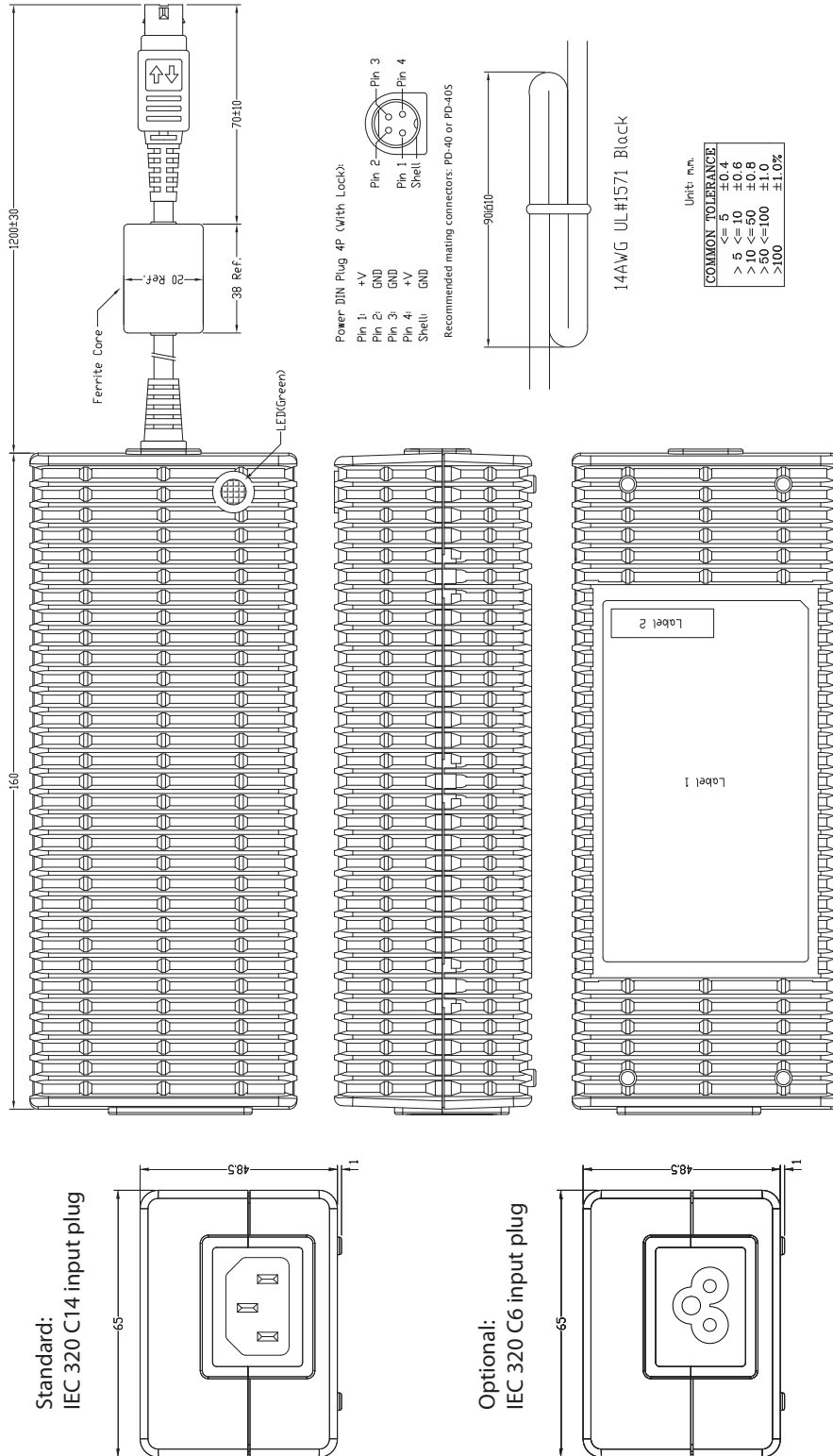
RELIABILITY

| parameter | conditions/description | min | nom | max | units |
|-----------|------------------------|-----|-----|-------|-------|
| MTBF | | | | 40000 | hours |



SERIES NUMBER: ETS 120~150 W DESKTOP DESCRIPTION: SWITCHING POWER SUPPLY

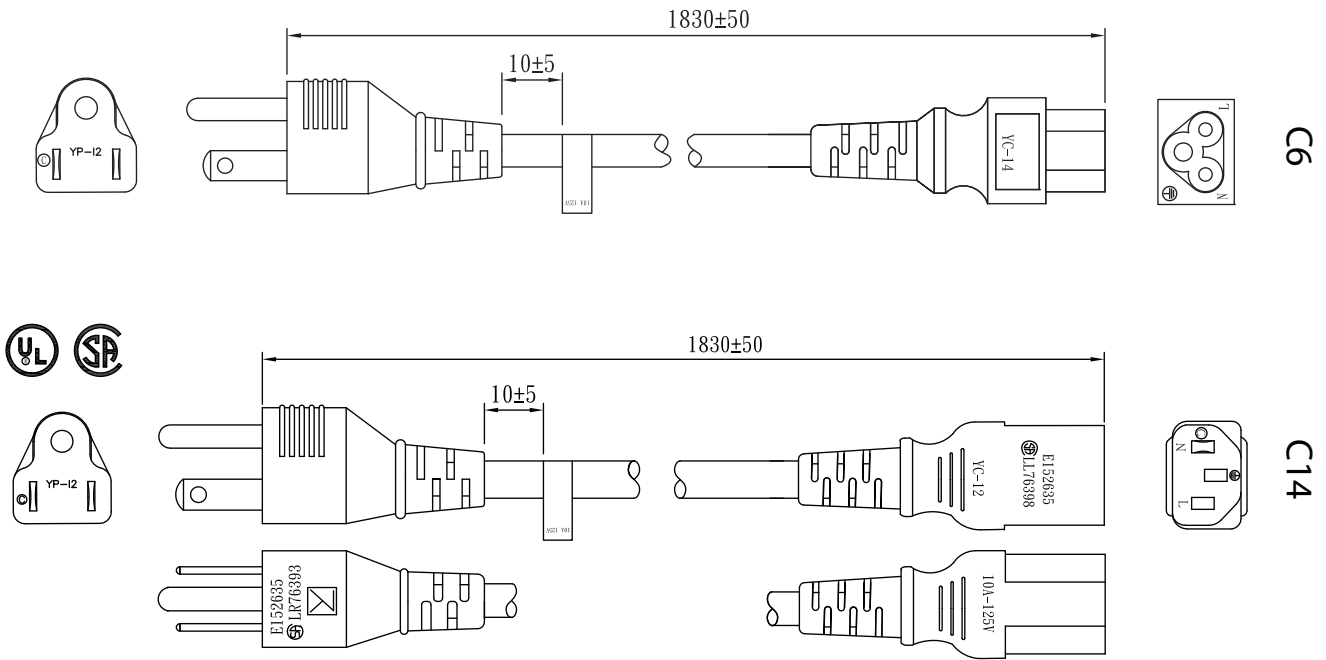
MECHANICAL DRAWING





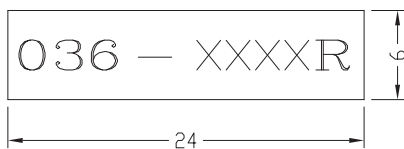
SERIES NUMBER: ETS 120~150 W DESKTOP DESCRIPTION: SWITCHING POWER SUPPLY

AC CORD

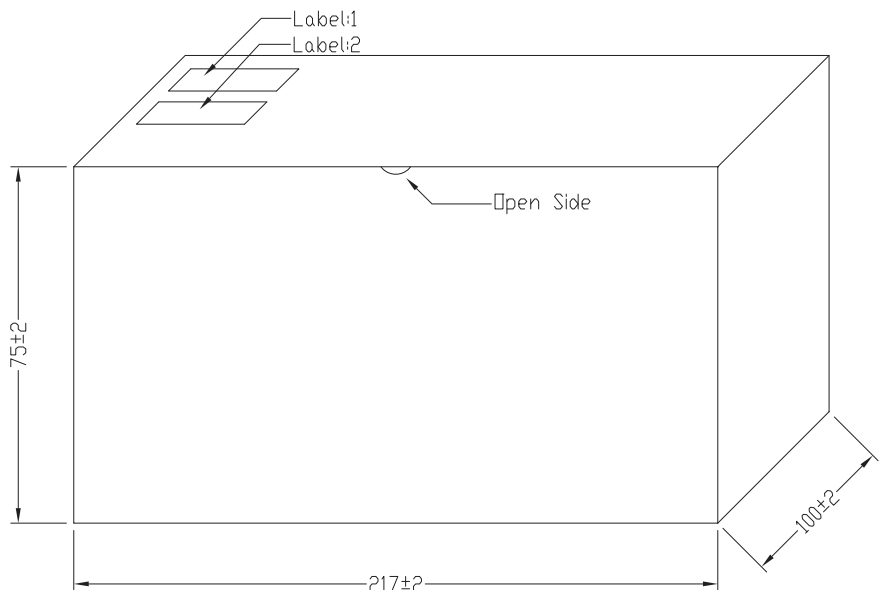


PACKAGING

Label 1 (example):



Label 2:



Box P/N: 12-0106
Material: 1.65t White

Unit: m.m.

| COMMON TOLERANCE | |
|------------------|-------|
| 0 - 5 | ±0.4 |
| 5 - 10 | ±0.6 |
| 10 - 50 | ±0.8 |
| 50 - 100 | ±1.0 |
| 100 - | ±1.0% |