



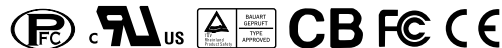
350W ATX with 24V industrial PC Power Supply

YP-350J



■ Features :

- Universal AC input / Full range
- Built-in active PFC function, PF>0.95
- Protections: Short circuit / Overload / Over voltage
- Power good and fail signal
- FAN speed control function
- Power ON-OFF switch with indicator
- Forced air cooling by built-in DC fan
- 100% full load burn-in test
- Approvals: UL / CUL / TUV / CB / FCC / CE
- 2 years warranty



SPECIFICATION

| ORDER NO. | YP-350J-AA | | | | | | | |
|-----------------------|---|---|---------|--------------|--------------|----------|----------|---------|
| OUTPUT | SAFETY MODEL NO. | YP-350J | | | | | | |
| | CHANNEL | CH1 | CH2 | CH3 | CH4 | CH5 | CH6 | STANDBY |
| | DC VOLTAGE | 3.3V | 5V | 12V | 24V | -5V | -12V | 5VSB |
| | MINIMUM CURRENT | 0.3A | 0.1A | 0A | 0A | 0A | 0A | 0A |
| | RATED CURRENT | 9A | 15A | 9A | 5A | 0.3A | 0.8A | 2.0A |
| | MAXIMUM CURRENT | 14A | 21A | 15A | 5A | 0.3A | 0.8A | 2.0A |
| | COMBINE LOAD | 135W max. For +5V and +3.3V output 210W max. For +5V, +3.3V and +12V output | | | | | | |
| | RATED POWER (max.) | 350W continue load | | | | | | |
| | RIPPLE & NOISE (max.) Note.2 | 50mVp-p | 50mVp-p | 120mVp-p | 150mVp-p | 100mVp-p | 120mVp-p | 50mVp-p |
| | LINE REGULATION | ±1.0% | ±1.0% | ±1.0% | ±1.0% | ±2.0% | ±2.0% | ±1.0% |
| | LOAD REGULATION Note.3 | ±5.0% | ±5.0% | -2.0 ~ +8.0% | -2.0 ~ +8.0% | ±5.0% | ±10% | ±5.0% |
| HOLD UP TIME | 10ms min. at full load (Rated current) | | | | | | | |
| INPUT | VOLTAGE RANGE | 100 ~ 264VAC | | | | | | |
| | FREQUENCY RANGE | 47 ~ 63Hz | | | | | | |
| | POWER FACTOR | PF>0.95@230VAC PF>0.98@115VAC | | | | | | |
| | EFFICIENCY (Typ.) | 70% | | | | | | |
| | AC CURRENT | 8.0A / 115VAC 4.5A / 230VAC | | | | | | |
| | INRUSH CURRENT (max.) | 40A / 115VAC 80A / 230VAC | | | | | | |
| LEAKAGE CURRENT | 3.5mA / 240VAC | | | | | | | |
| PROTECTION | OVERLOAD | 105 ~ 150% rated output power Protection type : Shut down o/p voltage, re-power on to recover | | | | | | |
| | OVER VOLTAGE | 110% ~ 130% of rated voltage for +3.3V, +5V and +12V Protection type : Shut down o/p voltage, re-power on to recover | | | | | | |
| | SHORT CIRCUIT | All output equipped with short circuit Protection type : Shut down o/p voltage, re-power on to recover | | | | | | |
| FUNCTION | POWER GOOD SIGNAL | The TTL compatible signal out with 100ms to 500ms delay after power set up | | | | | | |
| | POWER FAIL SIGNAL | The TTL compatible signal will go down at least 1ms before +5V below 4.75V | | | | | | |
| | PS-ON INPUT SIGNAL | Power on: PS-ON = "Low" or "<0.8V"; Power off: PS-ON = "Hi" or ">2V" | | | | | | |
| ENVIRONMENT | WORKING TEMP. | -10 ~ +40°C | | | | | | |
| | WORKING HUMIDITY | 20 ~ 90% RH non-condensing | | | | | | |
| | STORAGE TEMP., HUMIDITY | -20 ~ +85°C, 10 ~ 95% RH | | | | | | |
| | TEMP. COEFFICIENT | ±0.05% / °C (0 ~ 50°C) | | | | | | |
| | VIBRATION | 10 ~ 200Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes | | | | | | |
| SAFETY & EMC (Note 4) | SAFETY STANDARDS | UL60950-1, TUV EN60950-1 approved | | | | | | |
| | WITHSTAND VOLTAGE | I/P-O/P:1.5KVAC | | | | | | |
| | ISOLATION RESISTANCE | I/P-O/P: 50M Ohms / 500VDC / 25°C / 70% RH | | | | | | |
| | EMI CONDUCTION & RADIATION | Compliance to EN55022 (CISPR22) class B, FCC part 15 Class B | | | | | | |
| | HARMONIC CURRENT | Compliance to EN61000-3-2,-3 | | | | | | |
| EMS IMMUNITY | Compliance to EN61000-4-2,3,4, 5,6,8,11, light industry level, criteria A | | | | | | | |
| OTHERS | MTBF | 100K hrs min. | | | | | | |
| | CONNECTOR | ATX main power connector * 1ea; +12V power connector * 1ea; Auxiliary power connector * 1ea Peripheral power connector * 5 ea; Floppy drive power connector * 2 ea | | | | | | |
| | COOLING | Forced air ventilation by 8cmx8 ball bearing DC fan | | | | | | |
| | DIMENSION | 171*150*86mm (L*W*H) | | | | | | |
| | PACKING | 1.6Kg ; 12pcs / 20Kg / CARTON | | | | | | |
| NOTE | <ol style="list-style-type: none"> 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. Line regulation is measured from low line to high line at rated load. 4. Load regulation is measured from 20% to 100% max. Load. 5. The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives. | | | | | | | |

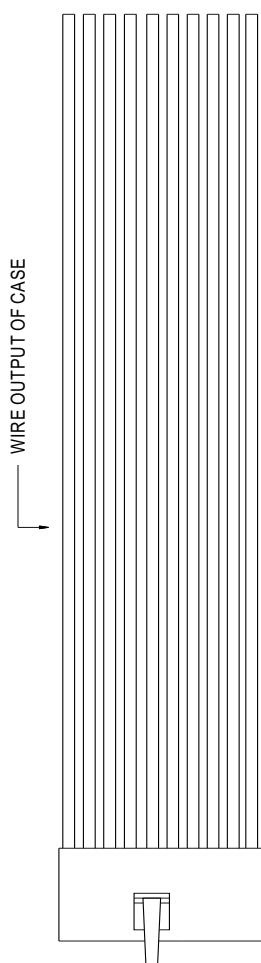
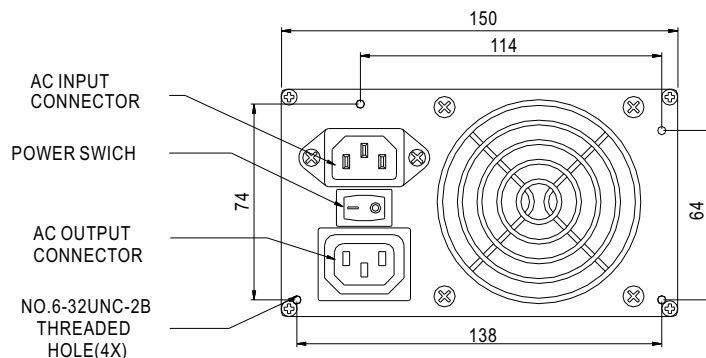
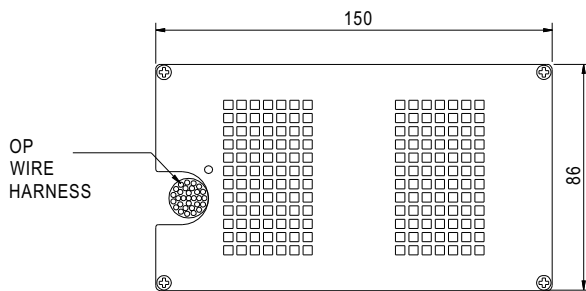


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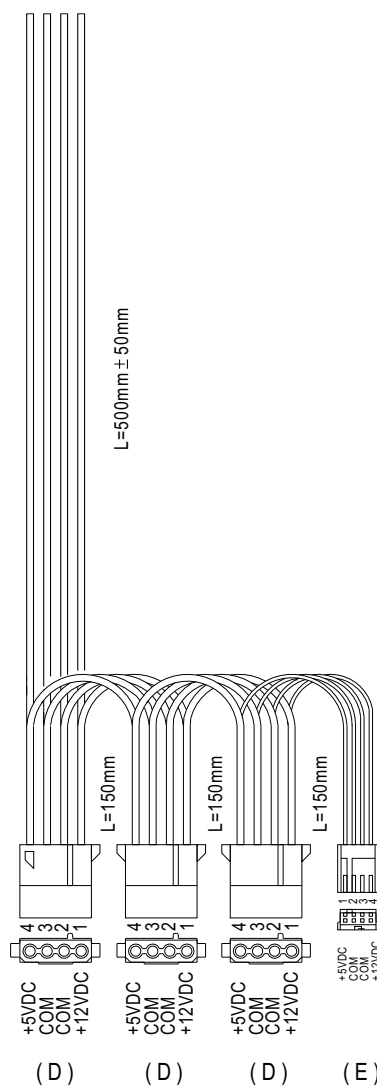
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Mechanical Specification

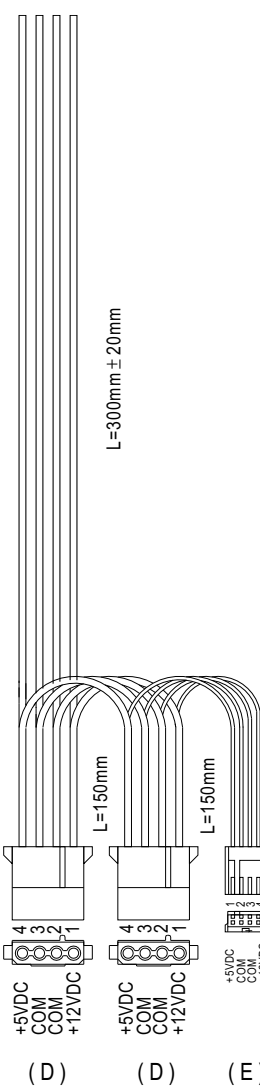
Unit: mm



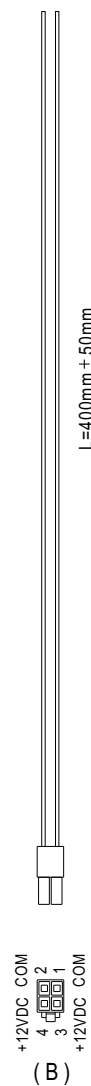
L=400mm ± 50mm



- (D) Peripheral connector
Type: MOLEX 39-01-2120 or equivalent
- (E) Floppy drive connector
Type: AMP 171822-4 or equivalent



- (A) ATX main power connector
Type: MOLEX 39-01-2200 or equivalent
- (B) 12V power connector
Type: MOLEX 39-01-2040 or equivalent



- (C) Auxiliary power connector
Type: MOLEX 39-01-2120 or equivalent

