MEAN WELL

250W ATX PC Power Supply

YP-350A-AA

■ Features :

- AC input range selected by switch
- With +5VSB:0 ~ 2.0A max.
- Power good signal output
- Power fail signal output
- Power ON-OFF switch
- High efficiency / Low cost
- Forced air cooling by built-in DC fan
- 100% full load burn-in test
- 1 year warranty

SPECIFICATION

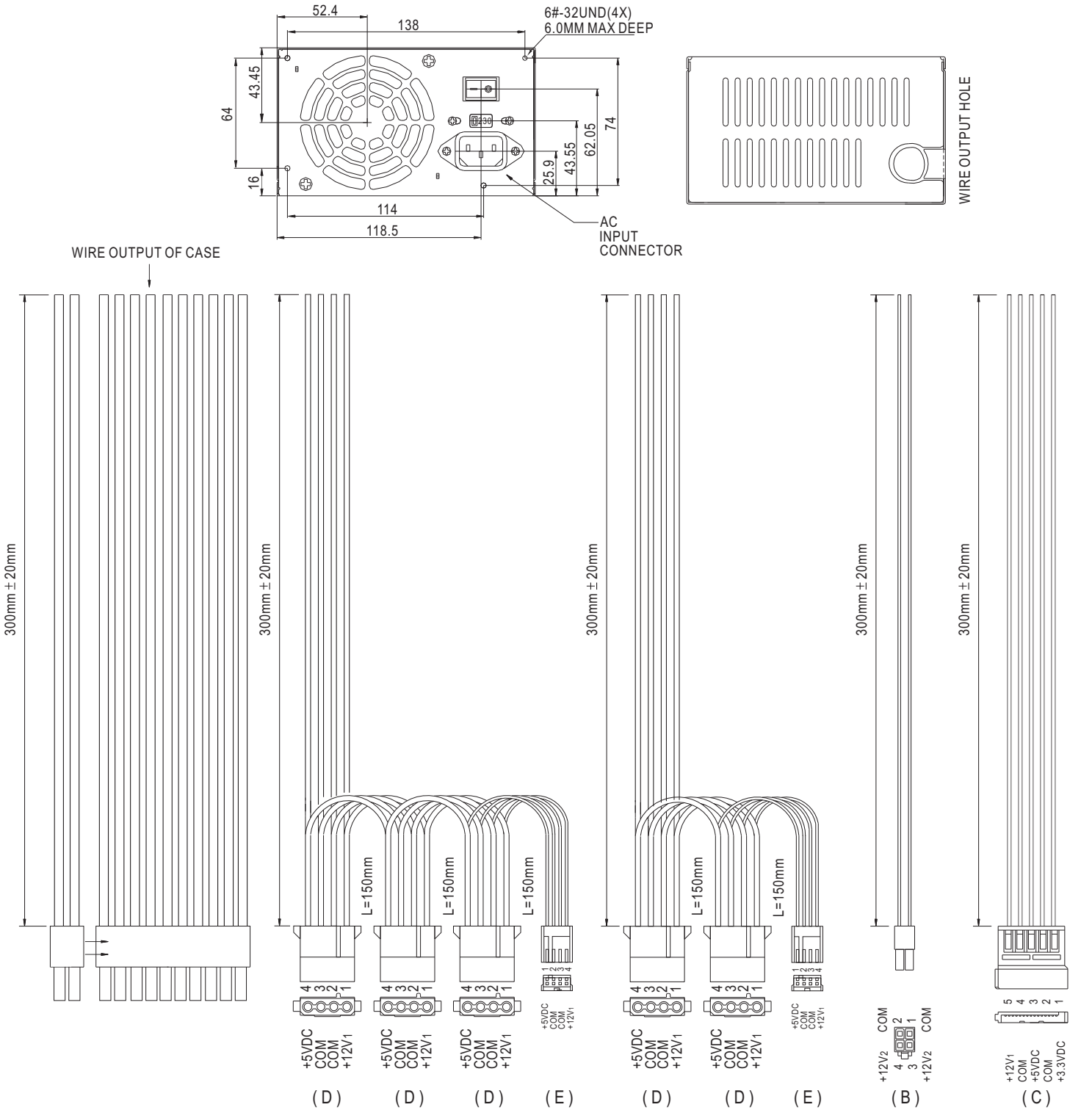
ORDER NO.		YP-350A-AA						
OUTPUT	SAFETY MODEL NO.	YP-350-A						
	CHANNEL	CH1	CH2	CH3	CH4	CH5	CH6	STANDBY
	DC VOLTAGE	3.3V	5V	12V1	12V2	-5V	-12V	5VSB
	MINIMUM CURRENT	2A	2A	1A	1A	0.1A	0.1A	0A
	RATED CURRENT	12A	12A	5A	5A	0.3A	0.8A	2.0A
	MAXIMUM CURRENT	17A	18A	8A	14A	0.3A	0.8A	2.0A
	COMBINE LOAD	+5V, +3.3V 115W max.						
		+5V, +3.3V, +12V 230W max.						
	RATED POWER (max.)	250W						
	RIPPLE & NOISE (max.) Note.2	50mVp-p	50mVp-p	120mVp-p	120mVp-p	50mVp-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%	±5.0%	±5.0%	±10%	±10%	±5.0%
	HOLD UP TIME	8ms min. at full load						
INPUT	VOLTAGE RANGE	103 ~ 132VAC / 206 ~ 264VAC selected by switch						
	FREQUENCY RANGE	47 ~ 63Hz						
	EFFICIENCY (Typ.)	70%						
	AC CURRENT	8A / 115VAC 4.5A / 230VAC						
	INRUSH CURRENT (max.)	40A / 115VAC 80A / 230VAC						
	LEAKAGE CURRENT(max.)	3.5mA / 240VAC						
PROTECTION	OVERLOAD	105 ~ 180% rated output power						
		Protection type : Shut down o/p voltage, re-power on to recover						
	OVER VOLTAGE	+3.3V, +5V, +12V1, +12V2: 110%~130% of rated voltage						
		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 ~ +35℃						
	WORKING HUMIDITY	20 ~ 90% RH non-condensing						
	STORAGE TEMP., HUMIDITY	-20 ~ +85℃, 10 ~ 95% RH						
	TEMP. COEFFICIENT	±0.05% / ℃ (0 ~ 50℃)						
	VIBRATION	10 ~ 200Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes						
SAFETY & EMC (Note 4)	SAFETY STANDARDS	Design refer to CSA(C22.2 60950, UL60950)						
	WITHSTAND VOLTAGE	I/P-O/P, I/P-FG:1.5KVAC						
	ISOLATION RESISTANCE	I/P-O/P, I/P-FG:50M Ohms / 500VDC / 25℃/ 70% RH						
	EMC EMISSION	Compliance to FCC part 15 class B						
OTHERS	MTBF	100K hrs min. MIL-HDBK-217F (25℃)						
	CONNECTOR	ATX main power connector * 1ea; +12V power connector * 1ea; Serial ATA connector * 1ea						
		Peripheral power connector * 5 ea; Floppy drive power connector * 2 ea						
	COOLING	Forced air ventilation by 8cm DC fan						
	DIMENSION	150*140*86mm (L*W*H)						
	PACKING	1.1kg ; 12pcs / 16kg / CARTON						

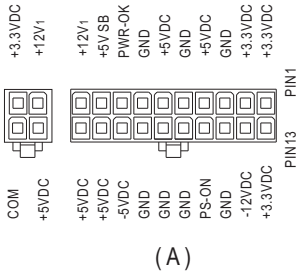
NOTE

1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25℃ 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. Load regulation is measured from 20% to 100% max. Load.
4. 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.

■ Mechanical Specification

Unit: mm





(A)

(A)24 Pin ATX main power connector(or 20+4pin)
Type: MOLEX 39-01-2240 or equivalent

(B)+12V power connector
Type: MOLEX 39-01-2040 or equivalent

(C)Serial ATA connector
Type: MOLEX 88751 or equivalent

(D)Peripheral connector
Type: MOLEX 8981-04P or equivalent

(E)Floppy drive connector
Type: AMP 171822-4 or equivalent

MEAN WELL

250W ATX PC Power Supply

YP-350A-EU

■ Features :

- 230VAC input only
- Built-in passive PFC, PF>0.65
- With +5VSB:0 ~ 2.0A max.
- Power good signal output
- Power fail signal output
- Power ON-OFF switch
- High efficiency / Low cost
- Forced air cooling by built-in DC fan
- 100% full load burn-in test
- Approvals: TUV / CE
- 1 year warranty

SPECIFICATION

ORDER NO.		YP-350A-EU						
OUTPUT	SAFETY MODEL NO.	YP-350-A						
	CHANNEL	CH1	CH2	CH3	CH4	CH5	CH6	STANDBY
	DC VOLTAGE	3.3V	5V	12V1	12V2	-5V	-12V	5VSB
	MINIMUM CURRENT	2A	2A	1A	1A	0.1A	0.1A	0A
	RATED CURRENT	12A	12A	5A	5A	0.3A	0.8A	2.0A
	MAXIMUM CURRENT	17A	18A	8A	14A	0.3A	0.8A	2.0A
	COMBINE LOAD	+5V, +3.3V 115W max.						
		+5V, +3.3V, +12V 230W max.						
	RATED POWER (max.)	250W						
	RIPPLE & NOISE (max.) Note.2	50mVp-p	50mVp-p	120mVp-p	120mVp-p	50mVp-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%	±5.0%	±5.0%	±10%	±10%	±5.0%
	HOLD UP TIME	8ms min. at full load						
INPUT	VOLTAGE RANGE	206 ~ 264VAC						
	FREQUENCY RANGE	47 ~ 63Hz						
	POWER FACTOR (Typ.)	PF>0.65 / 230VAC						
	EFFICIENCY (Typ.)	70%						
	AC CURRENT	5A / 230VAC						
	INRUSH CURRENT (max.)	80A / 230VAC						
	LEAKAGE CURRENT(max.)	3.5mA / 240VAC						
PROTECTION	OVERLOAD	105 ~ 180% rated output power						
		Protection type : Shut down o/p voltage, re-power on to recover						
	OVER VOLTAGE	+3.3V, +5V, +12V1, +12V2: 110%~130% of rated voltage						
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FUNCTION	POWER GOOD SIGNAL	The TTL compatible signal out with 100ms to 500ms delay after power set up						
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ENVIRONMENT	WORKING TEMP.	-10 ~ +35℃						
	WORKING HUMIDITY	20 ~ 90% RH non-condensing						
	STORAGE TEMP., HUMIDITY	-20 ~ +85℃, 10 ~ 95% RH						
	TEMP. COEFFICIENT	±0.05% / ℃ (0 ~ 50℃)						
	VIBRATION	10 ~ 200Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes						
SAFETY & EMC (Note 4)	SAFETY STANDARDS	TUV EN60950-1 approved						
	WITHSTAND VOLTAGE	I/P-O/P, I/P-FG:1.5KVAC						
	ISOLATION RESISTANCE	I/P-O/P, I/P-FG:50M Ohms / 500VDC / 25℃/ 70% RH						
	EMC EMISSION	Compliance to EN55022 (CISPR22) class B, EN61000-3-2,-3						
	EMC IMMUNITY	Compliance to EN61000-4-2,3,4, 5,6,8,11, light industry level, criteria A						
OTHERS	MTBF	100K hrs min. MIL-HDBK-217F (25℃)						
	CONNECTOR	ATX main power connector * 1ea; +12V power connector * 1ea; Serial ATA connector * 1ea						
		Peripheral power connector * 5 ea; Floppy drive power connector * 2 ea						
	COOLING	Forced air ventilation by 8cm DC fan						
	DIMENSION	150*140*86mm (L*W*H)						
	PACKING	1.1kg ; 12pcs / 16kg / CARTON						

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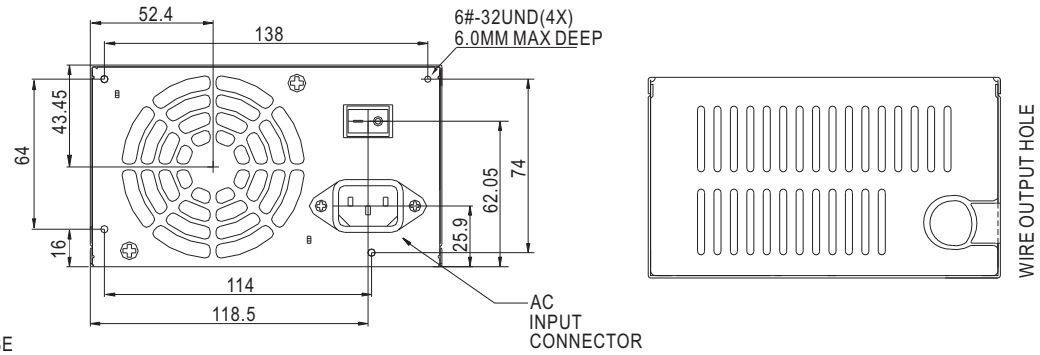

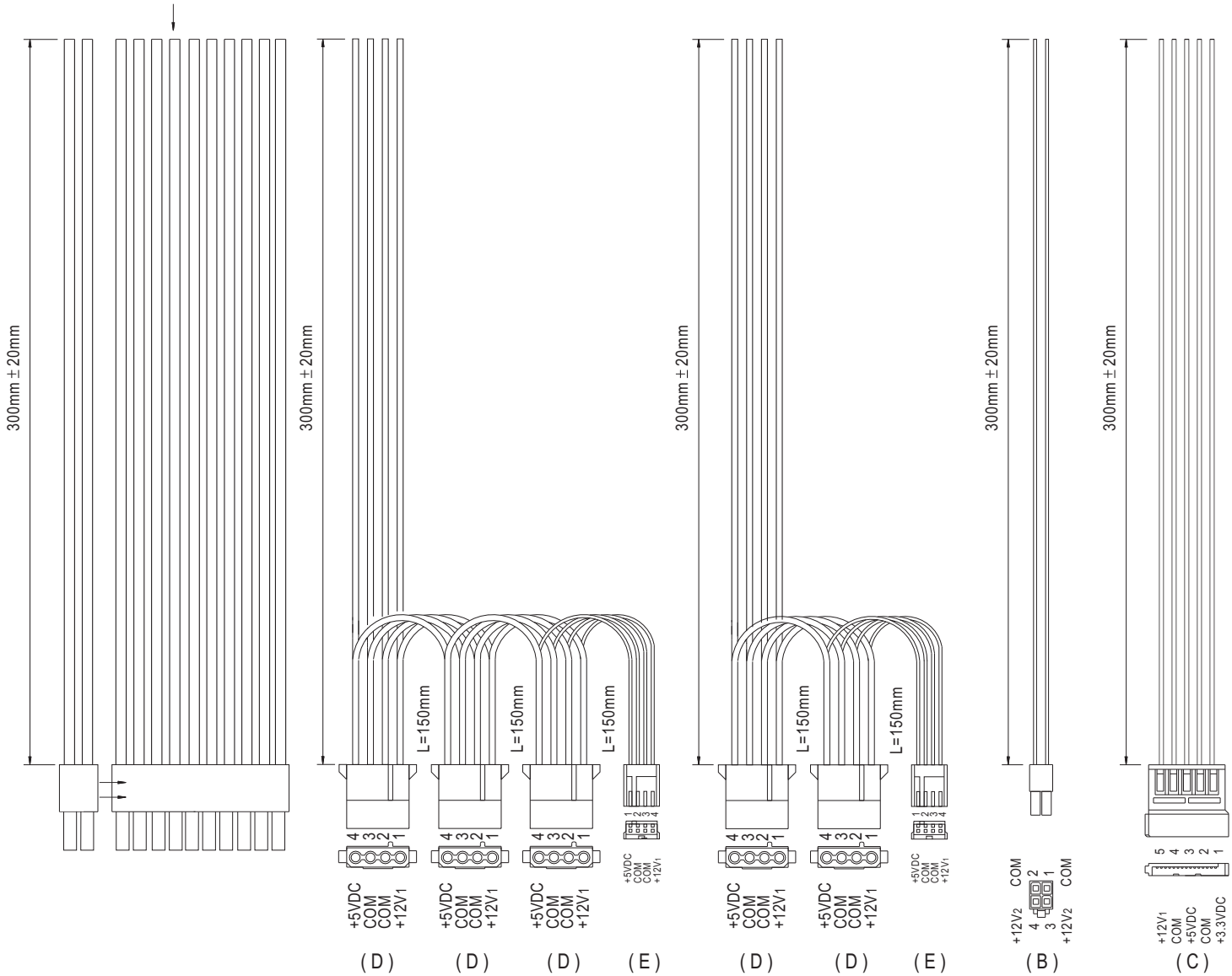

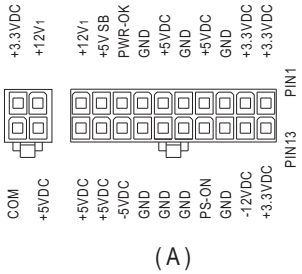

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