TECHNICAL DATASHEET

12W / 18W 12V Adapter

FSP012(18)-DHXY3 Series

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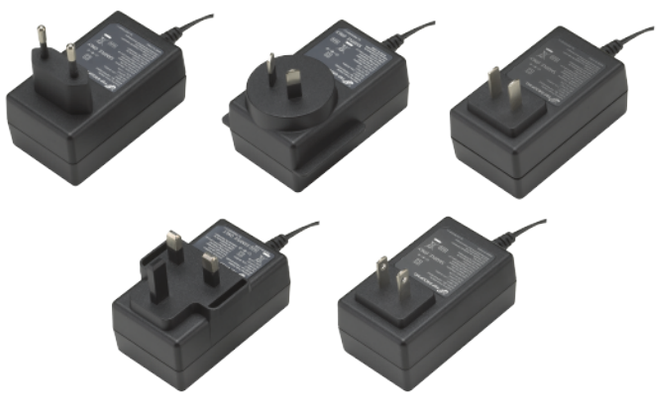


FEATURES

- USA, Europe, UK, Australia, China plug ready
- Meet IEC 62368-1 & IEC 60950-1
- Meet Energy Efficiency DOE Level VI
- Meet Code of Conduct Version 5 Tier 2
- High Reliability
- EMC Standard: EN55032/ EN55024 Class B

SAFETY STANDARD APPROVAL

c UL us LISTED I.T.E. POWER SUPPLY E190414

Tested to Comply With FCC Standards FOR HOME OR OFFICE USE

DESCRIPTION

This product is 12~18 watts No-Y cap. design fixed plug AC to DC adapter intended for use in Consumer Electronic Systems that has a small wattage demands. This adapter operates at 90 to 264 VAC input voltage. The unit meets CISPR32 EN55032 CLASS B, EN55024 and FCC PART 15B Class B emission limits, and is designed for ITE application.

INPUT SPECIFICATIONS

Input voltage:	90-264 VAC
Input frequency:	47-63 Hz
Input current:	12W: 100Vac, 240Vac / full load ≦ 0.65A 18W: 115Vac,240Vac/full load ≦ 0.65A
No load power consumption	115Vac , 230Vac ≦ 0.075W
Touch current:	12W: 264Vac / 50Hz ≦ 0.25mA 18W: 264Vac/ 50Hz ≦ 0.01mA

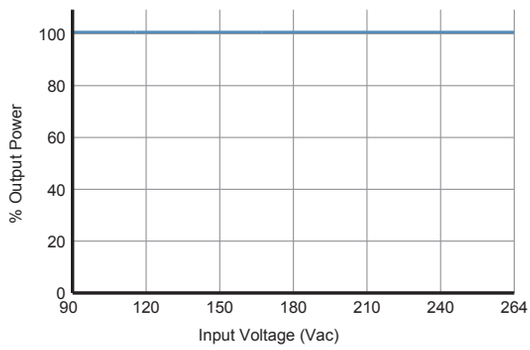
OUTPUT SPECIFICATIONS

Output voltage/current:	See rating chart
Total output power:	See rating chart
Protection:	
Over voltage:	The adapter will enter into shut down that means no output while over voltage happened at output terminal that caused by internal fault,the output trip voltage shall not exceed 16 vlots.That will be return to normal state by AC reset
Short circuit & Over current:	When an internal fault occurs ,or an external fault is applied to the output, the power supply shall shut down and enter auto-recovery mode.
Environment	
Working TEMP.	0~70℃ (> 40℃ de-rating)
Storage TEMP.	-20~+80℃
Working Humidity	20~80% RH non-condensing
Storage Humidity	10~90% RH non-condensing

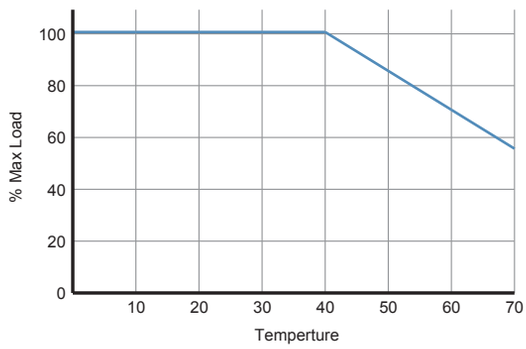
INPUT SPECIFICATIONS

Power factor:	N/A
Efficiency:	See rating chart.
Power turn-on time	At 115Vac / full load, output voltage shall remain regulation ≦ 3Sec
Hold-up time:	At 115Vac or 230Vac / full load, output voltage shall remain regulation ≧6ms
Inrush current:	115Vac, 230Vac / full load , Shall be less than the rating of adapter critical component (including rectifiers, fuse surge and current limiting device)
Operating altitude:	5000 meters above sea level
Withstand voltage:	Between AC input and secondary applied DC 4242V,test time 1 minute,cut off current shall be less than 10mA
MTBF:	230Vac / full load , 300,000 hours at 25℃, standard SR332
EMC Performance:	
EN55032	Class B conducted, class B radiated
FCC	Class B conducted, class B radiated
VCCI	Class B conducted, class B radiated
EN61000-3-2:	Meet class D
EN61000-3-3	Meet regulation
EN61000-4-2	Air discharge: ±8 KV,contact discharge: ±4KV, meet criterion A
EN61000-4-3	80 ~1000 MHz,3V/m,80% AM(1kHz), meet criterion A
EN61000-4-4	Impulse: ±1kV applied to L,N,meet criterion A
EN61000-4-5	±1kV applied differential mode, ±2kV applied common mode,meet criterion A
EN61000-4-6	0.15 ~ 80 MHz,3Vrms,80% AM(1kHz),meet criterion A
EN61000-4-8	50 Hz or 60Hz,1A/m,meet criterion A
EN61000-4-11	Voltage Dips： >95% reduction for 0.5 period,meet criterion B 30% reduction for 25 period,meet criterion C Voltage Interruptions： >95% reduction for 250 period,meet criterion C
Power de-rating:	100Vac or 240Vac, 0℃ to 40℃,100% load, 50℃, 85% load, 60℃,70% load, 70℃,55% load (Shall be less than the rating of adapter critical component , follow FSP specification (adapter))

INPUT VOLTAGE DERATING CURVE



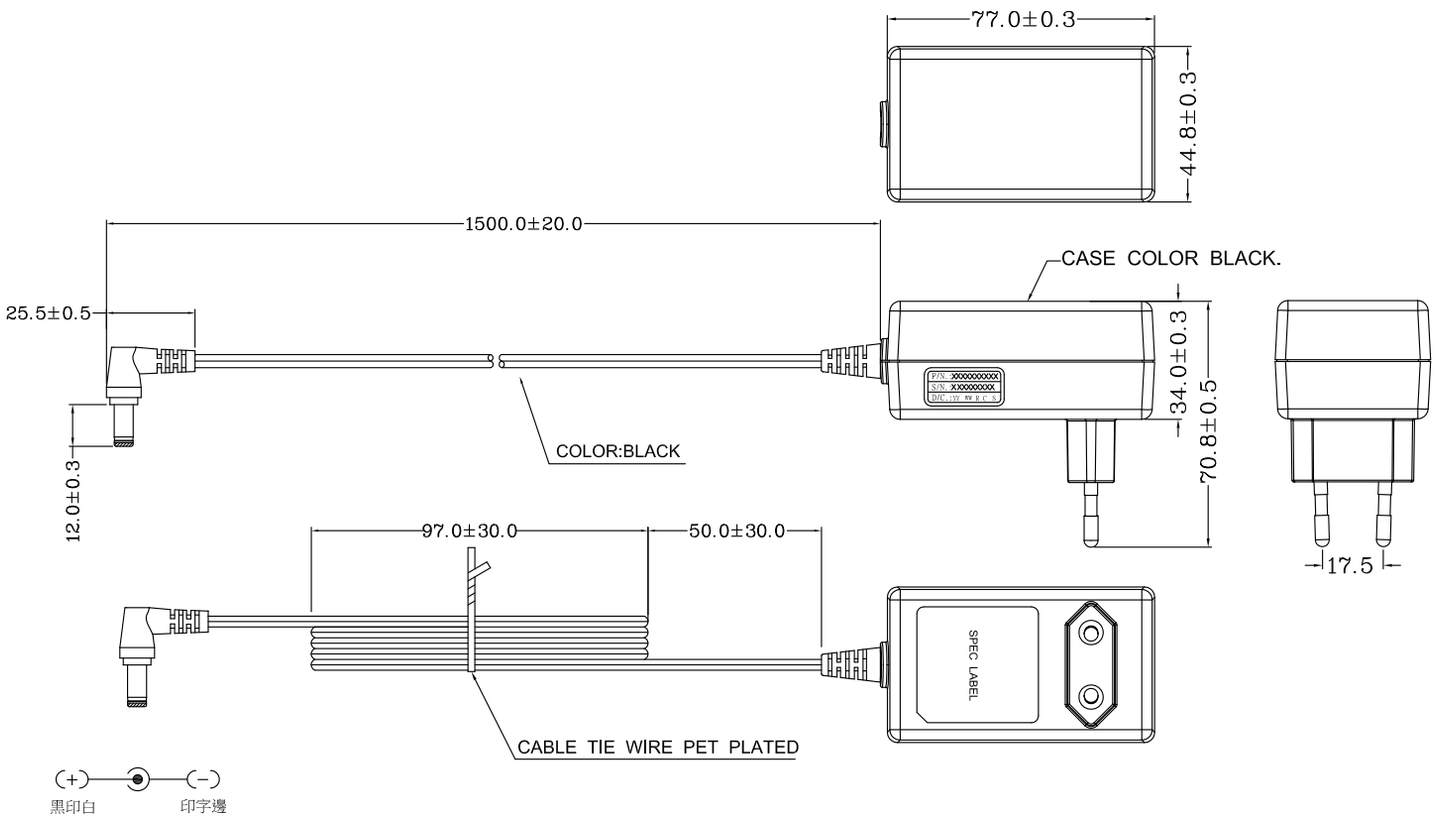
OUTPUT POWER DERATING CURVE

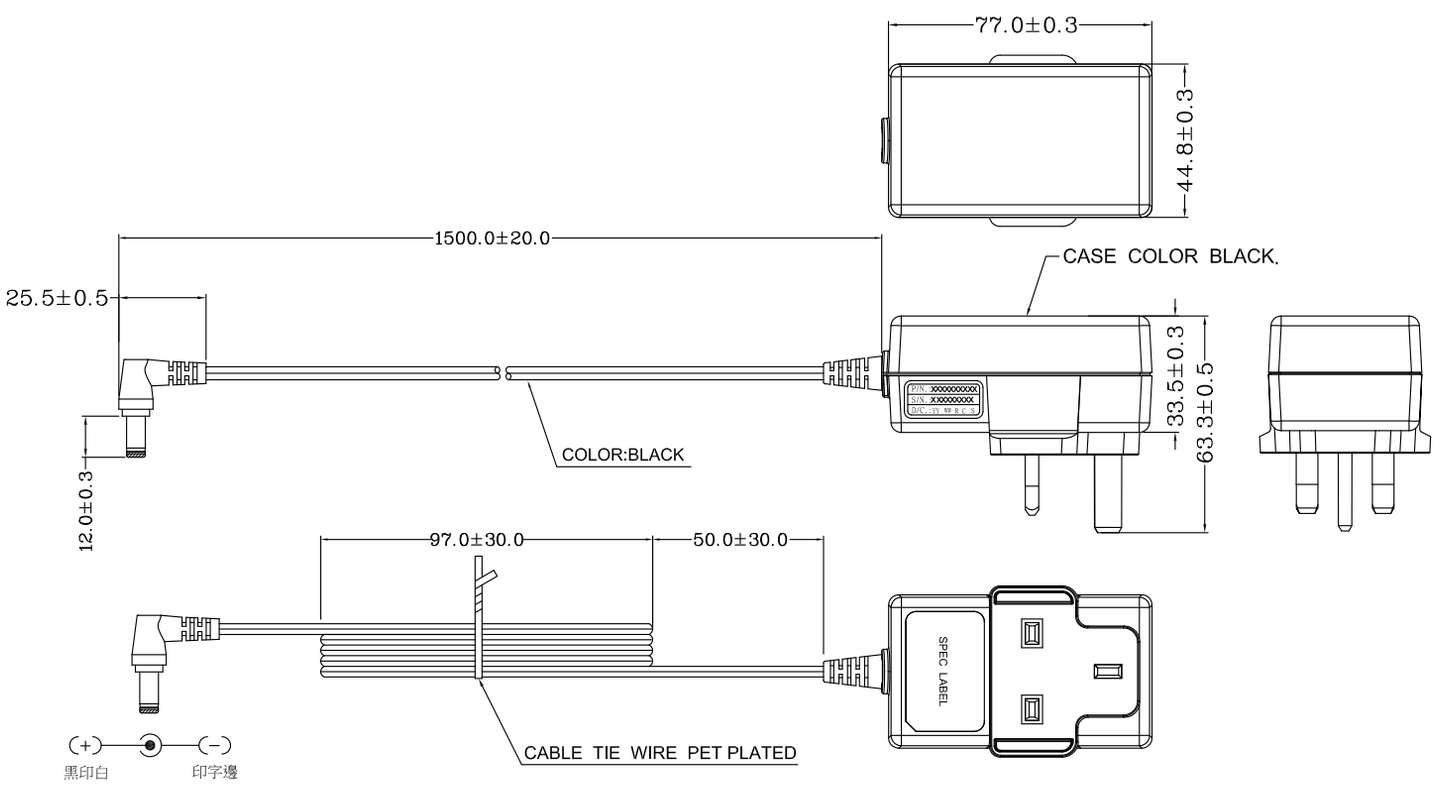


OUTPUT VOLTAGE/CURRENT RATING CHART

Model	Output Voltage	Output Current	AC Inlet	Efficiency	
				DOE(Level VI)	CoC V5 (Tier 2)
FSP012-DHXY3	12V	1A	C14	≧82.96%	≧83.26%
FSP018-DHXY3	12V	1.5A	C14	≧85%	≧85.45%

MECHANICAL SPECIFICATIONS





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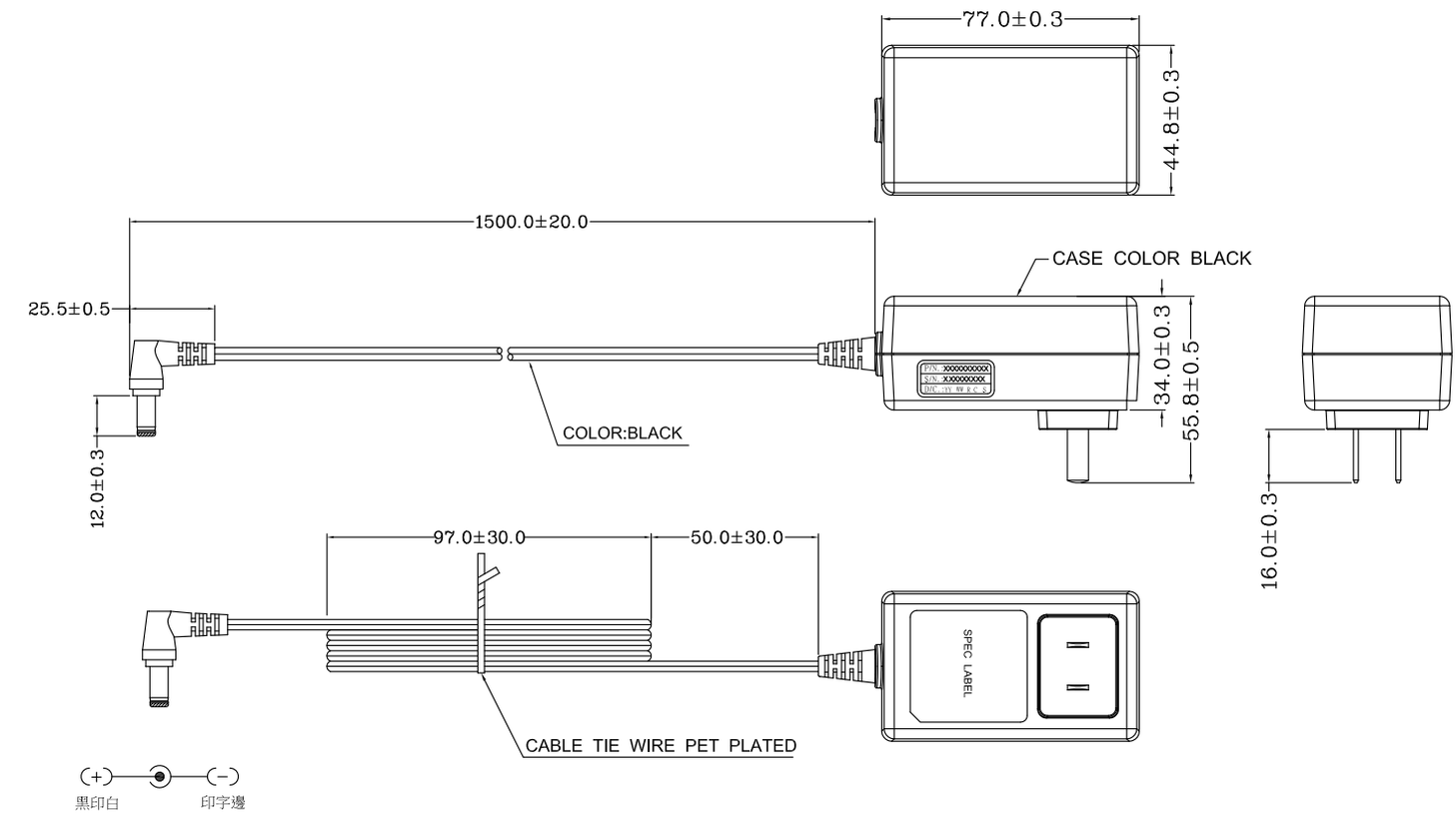

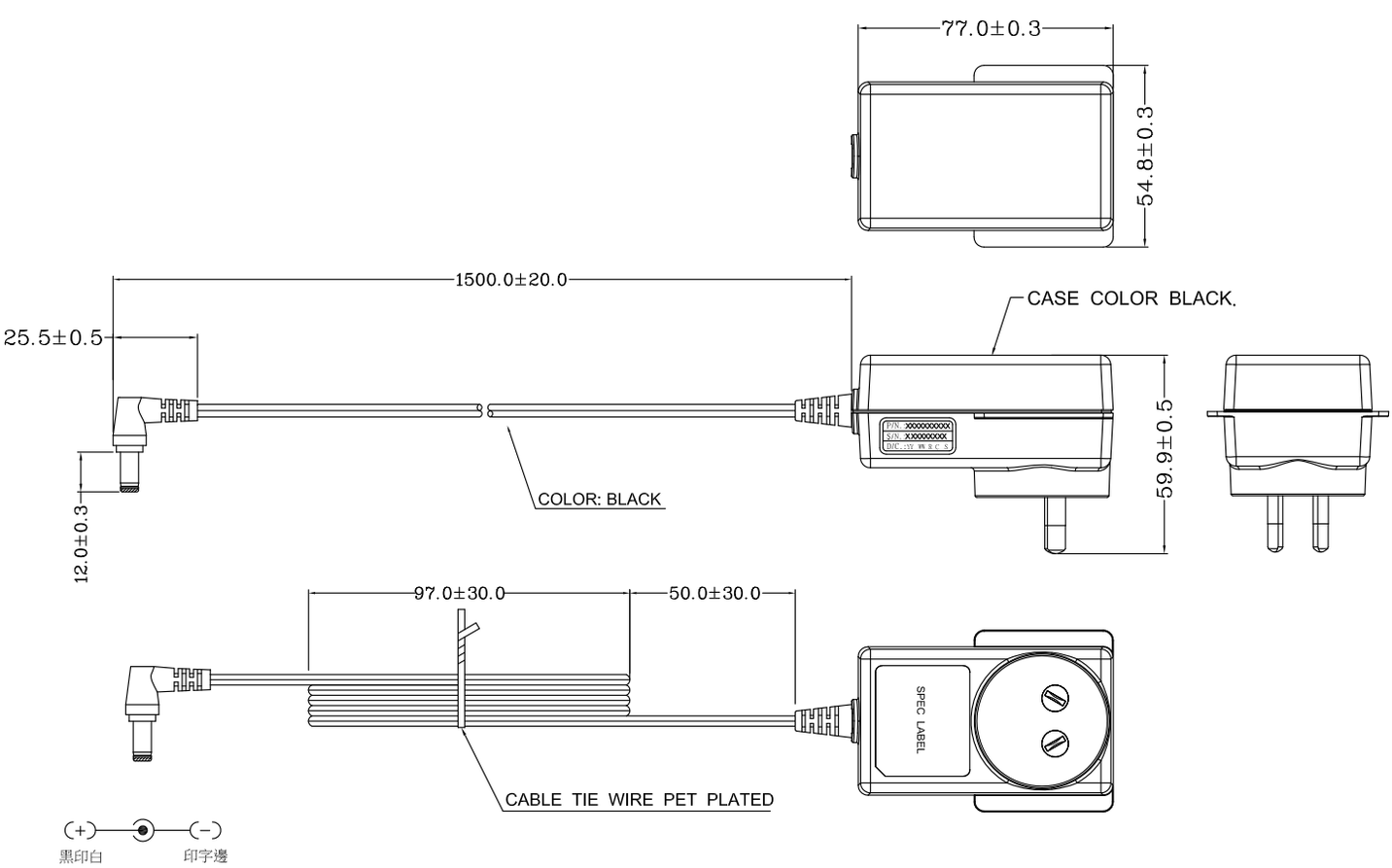

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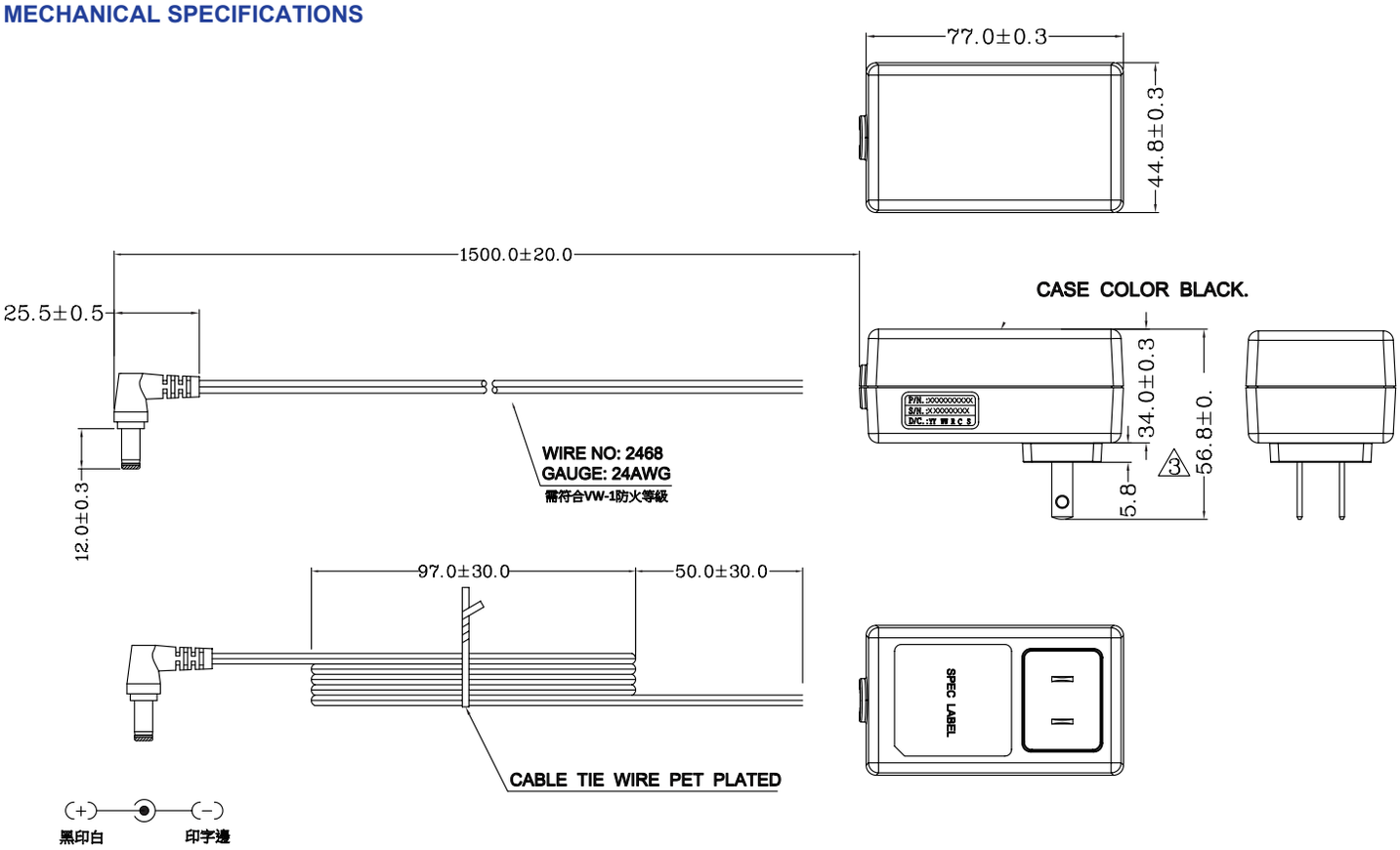

CONNECTOR SPECIFICATIONS