

## SERIES: YHY-WL24AU | DESCRIPTION: AC-DC POWER ADAPTER



### FEATURES

- 24W power
- Universal input (100~240 Vac)
- Single regulated outputs
- Over voltage and short circuit protections
- Custom designs available
- Certified to 62368-1 standards

### APPLICATIONS

- Audio Equipment
- Office Equipment
- Energy Storage
- Massage Devices
- Sports Equipment
- Supermarket Applications

Part Number	Model	Output Voltage (Vdc)	Output Current (Amp)	Output Power (Watt)	Ripple & Noise (mVp-p)
WLXXXXYYAA-BB-NN (Notes As below)	YHY-05003000	5	3	15	100
	YHY-06003000	6	3	24	100
	YHY-07503000	7.5	3	24	100
	YHY-09002670	9	2.67	24	100
	YHY-12002000	12	2	24	120
	YHY-15001600	15	1.6	24	150
	YHY-18001330	18	1.33	24	200
	YHY-20001200	20	1.2	24	200
	YHY-24001000	24	1	24	240
	YHY-30000800	30	0.8	24	300

Notes: 1. At full load, nominal input 100-240Vac, 20 MHz bandwidth oscilloscope, each output terminated with 0.1 μF multilayer ceramic and 10 μF low ESR electrolytic capacitors.

**PART NUMBER**

**DSXXXYYYAA-BB-NN**

XXX:	YYY:	AA:	BB:	NN:
Output Voltage	Power	Input Inlet UK/EU/US/AU...	DC Connector	A/E/H/S/D/XW...
9Vdc=090	24W=024		Barrel=N/A 4Pin=4P	

**INPUT**

Paramater	Description	Min.	Typ	Max.	Units
Input Voltage		90		264	Vac
Rated Voltage		100		240	Vac
Input Frequency		47		63	Hz
Rated Frequency		50		60	Hz
Current				0.75	A
Inrush Current	110Vac 60Hz, Full load, 25°C			40	A
	220Vac 50Hz, Full load, 25°C			80	A
Leakage Current	110Vac / 220Vac			0.05	mA
No Load Power Consumption	110Vac / 220Vac			0.1	W
Fuse		3.5			A

**OUTPUT**

Paramater	Description	Min.	Typ	Max.	Units
Regulation		±5			%

**PROTATION**

Paramater	Description	Min.	Typ	Max.	Units
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Over Voltage Protaton	Output Shut Down	%
Over Current Protaton	Output Shut Down, Auto Recovery	%
Short Circuit Protaton	Output Shut Down, Auto Recovery	%

**SAFETY & COMPLIANCE**

Paramater	Description	Min.	Typ	Max.	Units
Isolation Voltage	Power Supply of Class II, primary to secondary, 3s		3000		Vac
Isolation Resistance	500Vdc between Primary Live, Primary Neutral and secondary.	10			MΩ
EMI/EMC	FCC Part 15B Class B, CE				
MTBF	25°C	50,000			Hrs
RoHs	YES				

**ENVIRONMENT**

Paramater	Description	Min.	Typ	Max.	Units
Operating temperature	Full load, Normal operation	0		40	°C
Storage temperature	With package	-40		85	°C
Operating humidity	Full load , Normal operating	5		95	%
Storage humidity	Non-condensing	10		90	%

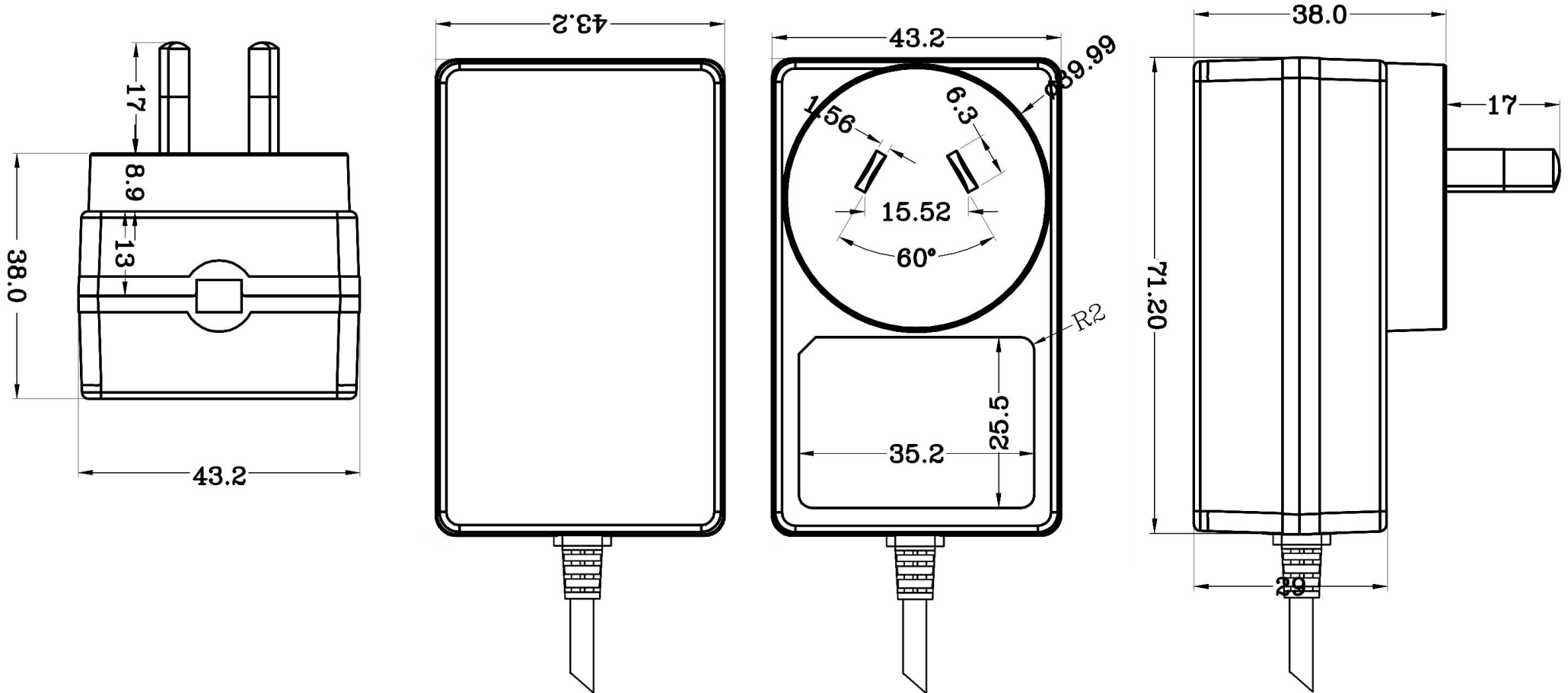
**MECHANICAL**

Paramater	Description	Min.	Typ	Max.	Units
Dimension	71.2 x 43.2 x 55				mm
Inlet AC Connector	Australia(AU)				
Weight					g

MECHANICAL DRAWING

Unit: mm

Tolerance:  $\pm 0.2$



DC CABLE Unit: mm

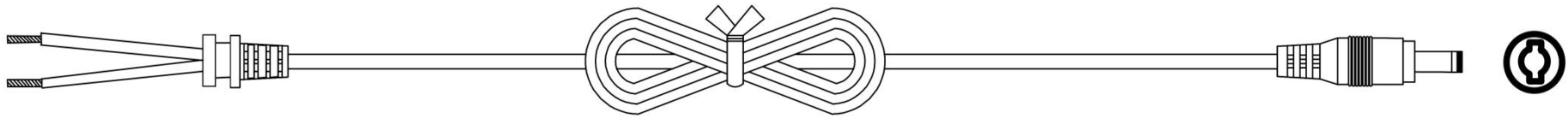


Table 1

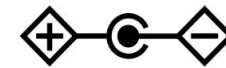
Cable	Length
UL2464, 22AWG	1200mm±30
UL2468, 22AWG	1200mm±30
UL1185, 22AWG	1200mm±30

DC CONNECTOR

Plug Polarity  
P= Center Positive



N= Center Negative



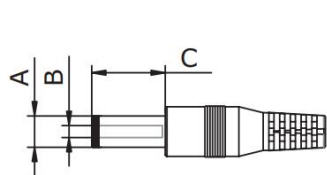
Plug Polarity		Type	Dimensions (mm)			Plug Angle	
Center Pos.	Center Neg.		A	B	C	Straight	Right
■	■	Barrel	5.5	2.1	10	■	■
■	■		5.5	2.5	10	■	■
■	■		6.5	3.0	10	■	N/A
■	■		4.75	1.7	10	■	N/A
■	■		4.0	1.7	10	■	■
■	■		3.5	1.35	10	■	■

■	■		3.5	1.0	10	■	■
■	■		5.5	2.1	9.5	■	N/A
■	■	Locking	5.5	2.5	9.5	■	N/A
N/A	N/A	Audio	3.5		14	■	N/A
N/A	N/A	Din		3Pin 4Pin		■	N/A
N/A	N/A	XLR		2P 3P 4P 5P		■	N/A
N/A	N/A	Aviation Connector		GX12: 2P 3P 4P 5P		■	N/A
N/A	N/A	USB		USB Type C		■	N/A
N/A	N/A	Cigarette Lighter		Male		■	N/A
N/A	N/A			Female		■	N/A
N/A	N/A		Stipped & Tinned			N/A	N/A

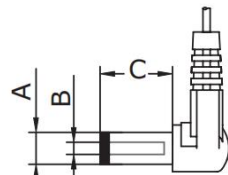
Barrel

Locking

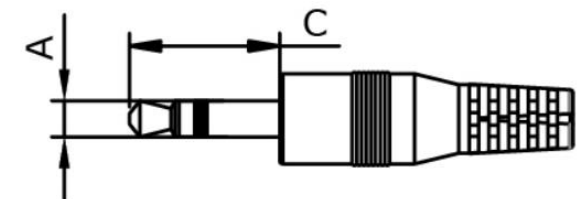
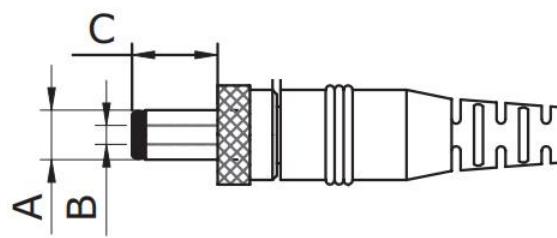
Audio



Straight



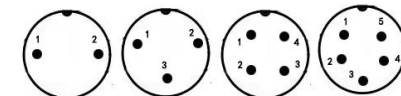
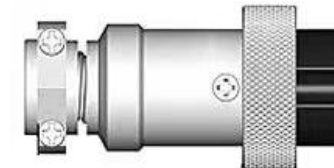
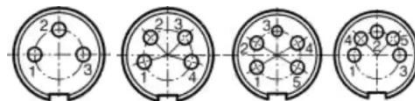
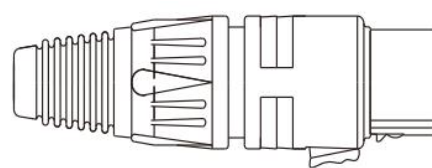
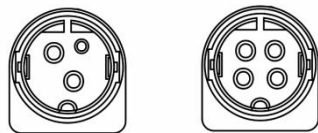
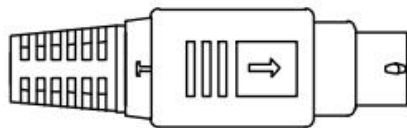
Right Angle (R)



Din

XLR

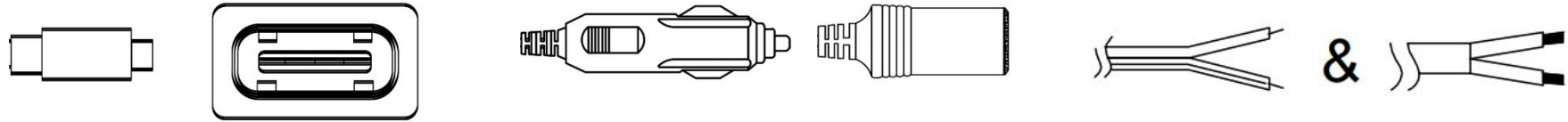
Aviation Connector



USB Type C

Cigarette Lighter

Stripped & Tinned



REVISION HISTORY

REV.	Description	Date
1.0	Initial release	2025-7-4



YinghuiYuan Electronics (YHYadapter)

3<sup>rd</sup> BLD, Fuqiao 5th Industry,  
Fuyong, Baoan, Shenzhen, CN  
518103

<https://yhypoweradapter.com/>

Email: [sales@yhypower.com](mailto:sales@yhypower.com)

MB/Whatsapp:+86-13631527465