

SERIES: YHY-WL60US | DESCRIPTION: AC-DC POWER ADAPTER



FEATURES

- Level VI efficiency
- 60W power
- Universal input (100~240 Vac)
- Single regulated outputs
- Over voltage and short circuit protections
- Custom designs available
- Certified to 62368-1 standards

APPLICATIONS

- Industrial Control
- IT Equipment
- 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)	Efficiency Level
WLXXXXYYAA-BB-NN (Notes As below)	YHY-09006000CJ	9	6	54	100	VI
	YHY-12005000CJ	12	5	60	120	VI
	YHY-15004000CJ	15	4	60	150	VI
	YHY-18003330CJ	18	3.33	60	200	VI
	YHY-20003000CJ	20	3	60	200	VI
	YHY-24002500CJ	24	2.5	60	240	VI
	YHY-30002000CJ	30	2	60	300	VI
	YHY-36001670CJ	36	1.67	60	300	VI
	YHY-48001250CJ	48	1.25	60	300	VI
	YHY-56001070CJ	56	1.07	60	300	VI

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

PART NUMBER

WLXXXYYYAA-BB-NN

XXXX:

Output Voltage
9Vdc=090

YYY:

Power
60W=060

AA:

Input Plug UK/AU/CN/US...
North American Plug=US

BB:

DC Connector
Barrel=N/A
4Pin=4P

NN:

A/E/H/S/D/XW...

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				1.5	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			0.21	W
Fuse		3.5			A

OUTPUT

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

PROTECTION

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

SAFETY & COMPLIANCE

Paramater	Description	Min.	Typ	Max.	Units
Isolation Voltage	Power Supply of Class I, primary to secondary (AC input grounding connection with the DC output negative terminal) ,3s		1500		Vac
	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℃	50,000			Hrs
RoHs	YES				

ENVIRONMENT

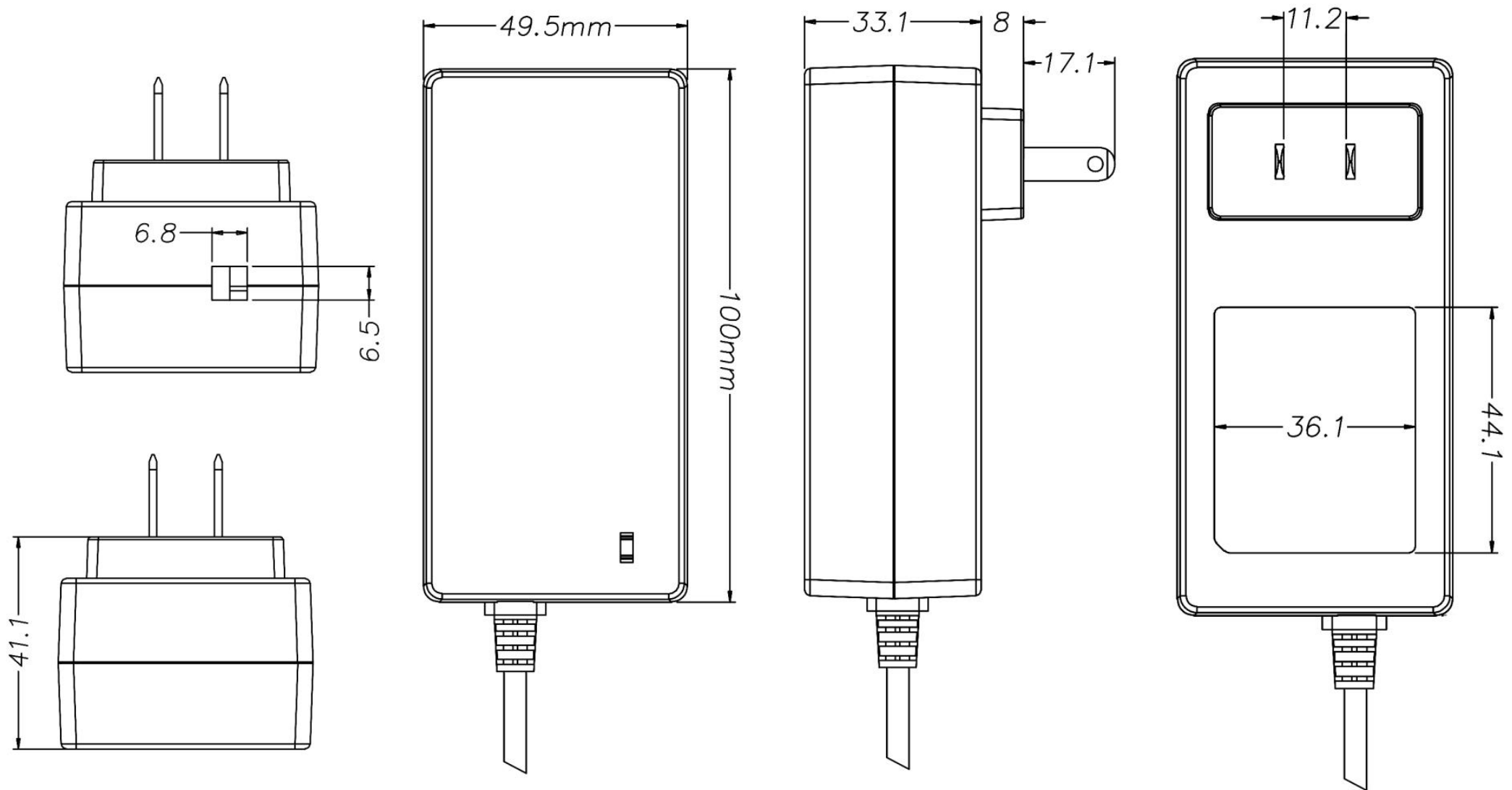
Paramater	Description	Min.	Typ	Max.	Units
Operating temperature	Full load, Normal operation	0		40	℃
Storage temperature	With package	-40		85	℃
Operating humidity	Full load , Normal operating	5		95	%
Storage humidity	Non-condensing	10		90	%

MECHANICAL

Paramater	Description	Min.	Typ	Max.	Units
Dimension	100 x 49.5 x 33				mm
Inlet AC Connector	North American (US)				

MECHANICAL DRAWING

Unit: mm
Tolerance: ± 0.2



DC CABLE

Unit: mm

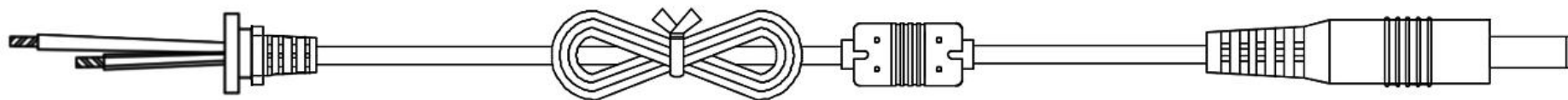


Table 1

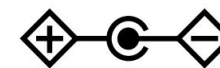
Cable	Length
UL2464, 20AWG	1200mm±30
UL2468, 20AWG	1200mm±30
UL1185, 20AWG	1200mm±30

DC CONNECTOR

Plug Polarity
P= Center Positive



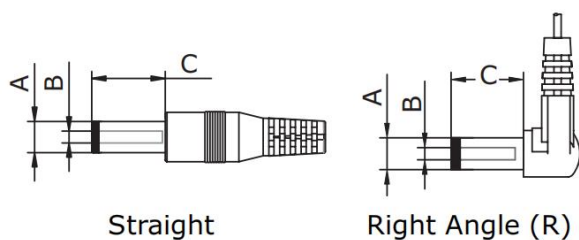
N= Center Negative



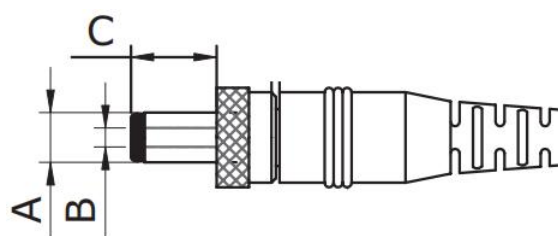
Plug Polarity		Type	Dimensions (mm)			Plug Angle	
Center Pos.	Center Neg.		A	B	C	Straight	Right
■	■	Barrel	5.5	2.1	10	■	■
■	■		5.5	2.5	10	■	■
■	■		6.5	3.0	10	■	N/A
■	■		4.75	1.7	10	■	N/A
■	■		4.0	1.7	10	■	■
■	■		3.5	1.35	10	■	■
■	■		3.5	1.0	10	■	■
■	■		5.5	2.1	9.5	■	N/A
■	■	Locking	5.5	2.5	9.5	■	N/A
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	Stripped & Tinned		N/A	N/A

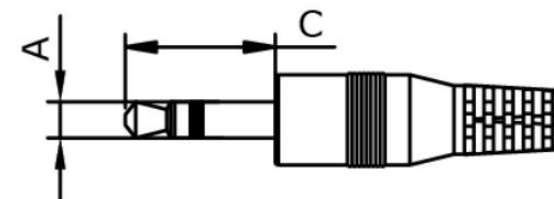
Barrel



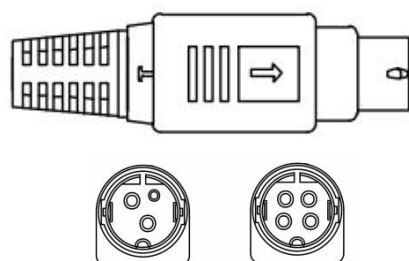
Locking



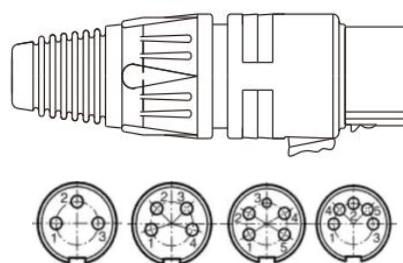
Audio



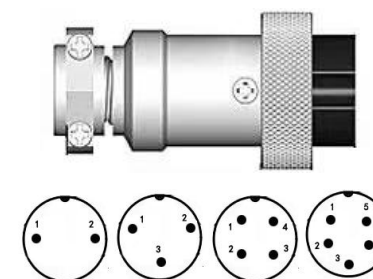
Din



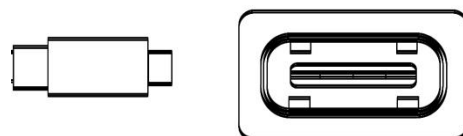
XLR



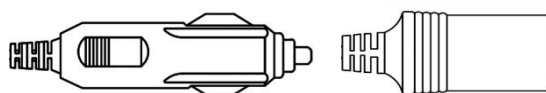
Aviation Connector



USB Type C



Cigarette Lighter



Stripped & Tinned



REVISION HISTORY

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



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