

SERIES: YHY-WL60EU | DESCRIPTION: AC-DC POWER ADAPTER



FEATURES

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

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:	YYY:	AA:	BB:	NN:
Output Voltage	Power	Input Plug UK/AU/CN/US...	DC Connector	A/E/H/S/D/XW...
9Vdc=090	60W=060	North American Plug=US	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				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 Protation	Output Shut Down, Auto Recovery	%
Short Circuit Protation	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

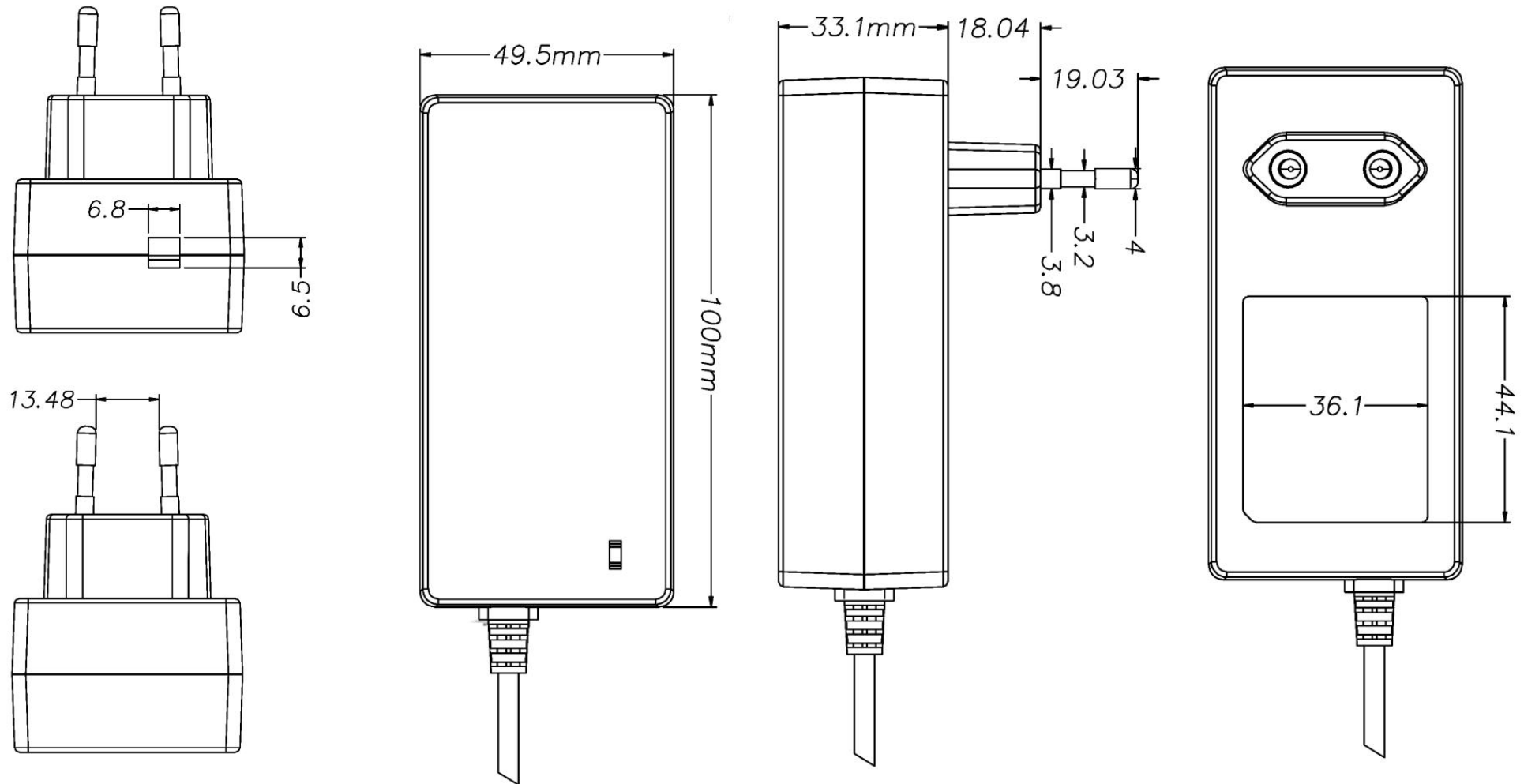
Paramater	Description	Min.	Typ	Max.	Units
Operating temperature	Full load, Normal operation	0		40	℃
Storage temperature	With package	-40		85	℃
Operating humidity	Full load , Normal operating	5		95	%
Storage humidity	Non-condensing	10		90	%

MECHANICAL

Paramater	Description	Min.	Typ	Max.	Units
Dimension	100 x 49.5 x 70				mm
Inlet AC Connector	European (EU)				
Weight					g

MECHANICAL DRAWING

Unit: mm
Tolerance: ± 0.2



DC CABLE

Unit: mm

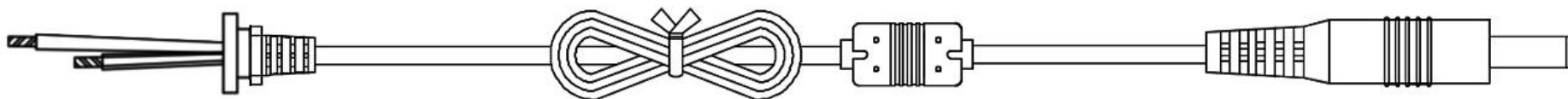


Table 1

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

DC CONNECTOR

Plug Polarity

P= Center Positive



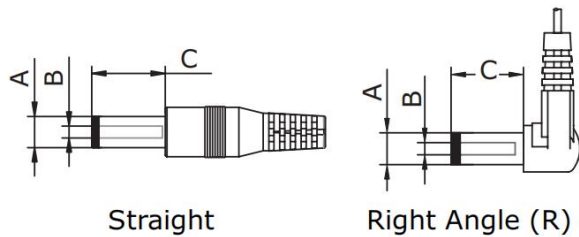
N= Center Negative



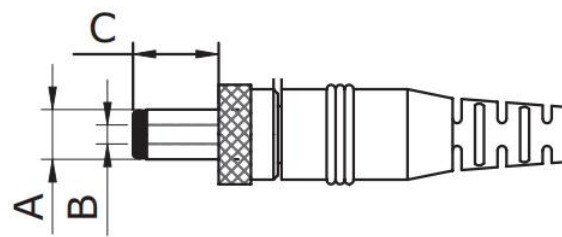
Plug Polarity		Type	Dimensions (mm)			Plug Angle	
Center Pos.	Center Neg.		A	B	C	Straight	Right
■	■	Barrel	5.5	2.1	10	■	■
■	■		5.5	2.5	10	■	■
■	■		6.5	3.0	10	■	N/A
■	■		4.75	1.7	10	■	N/A
■	■		4.0	1.7	10	■	■
■	■		3.5	1.35	10	■	■
■	■		3.5	1.0	10	■	■

■	■		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		Stipped & Tinned			N/A	N/A

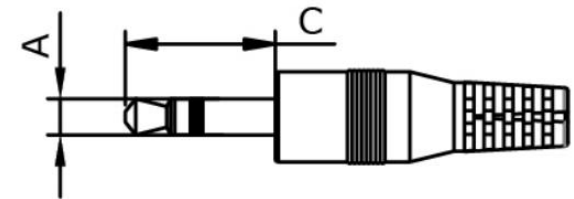
Barrel



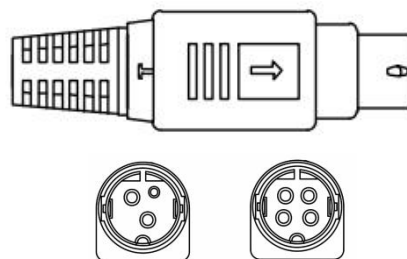
Locking



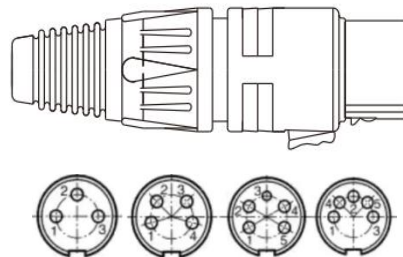
Audio



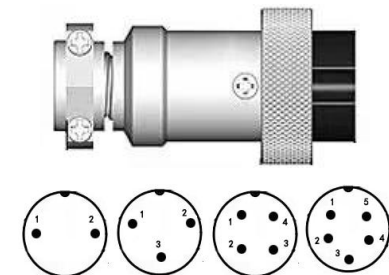
Din



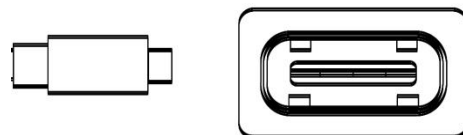
XLR



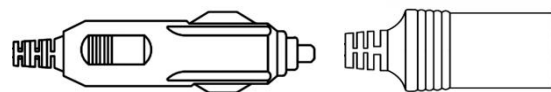
Aviation Connector



USB Type C



Cigarette Lighter



Stripped & Tinned



REVISION HISTORY

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



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