

SERIES: YHY-DS60-M | 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 60601-1 standards

APPLICATIONS

- Medical Equipment

Part #	Model #	Output Voltage (Vdc)	Output Current (Amp)	Output Power (Watt)	Ripple & Noise (mVp-p)	Efficiency Level
DSXXXXYYC8-M-BB-NN (Notes As below)	YHY-09006000	9	6	54	100	VI
	YHY-12005000	12	5	60	120	VI
	YHY-15004000	15	4	60	150	VI
	YHY-18003330	18	3.33	60	200	VI
	YHY-20003000	20	3	60	200	VI
	YHY-24002500	24	2.5	60	240	VI
	YHY-30002000	30	2	60	300	VI
	YHY-36001670	36	1.67	60	300	VI
	YHY-48001250	48	1.25	60	300	VI
	YHY-56001070	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

DSXXXYYYC8-M-BB-NN

XXX:	YYY:	C8:	BB:	NN:
Output Voltage	Power	Input Inlet	DC Connector	A/E/H/S/D/XW...
9Vdc=090	60W=060	C8=IEC320-C8	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			%

PROTATION

Paramater	Description	Min.	Typ	Max.	Units
Over Voltage Protation	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 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

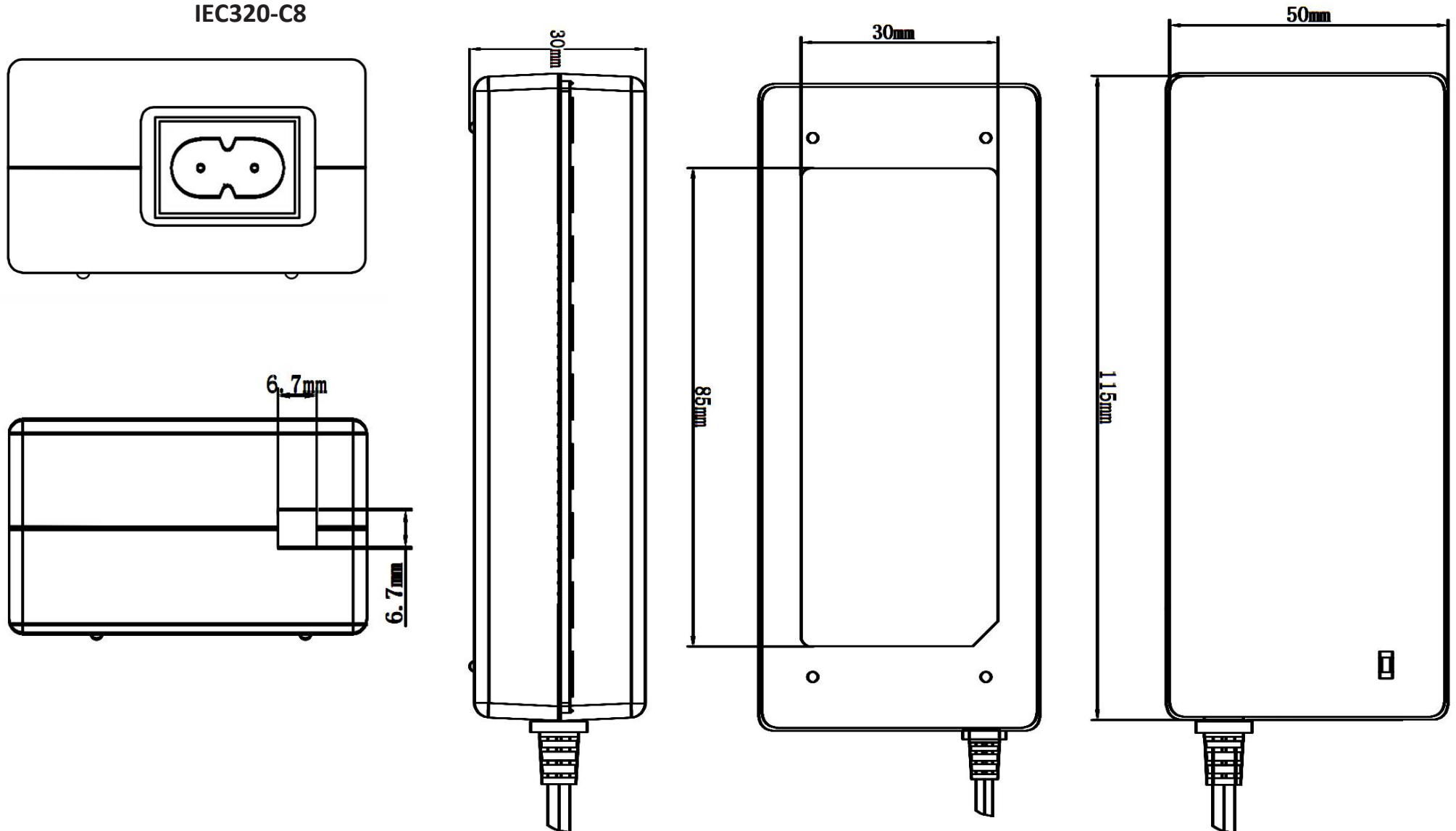
Paramater	Description	Min.	Typ	Max.	Units
Dimension	115 x 50 x 30				mm

MECHANICAL DRAWING

Unit: mm

Tolerance: ± 0.2

IEC320-C8



DC CABLE

Unit: mm

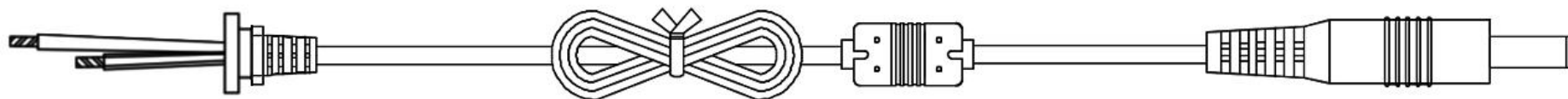


Table 1

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

DC CONNECTOR

Plug Polarity

P= Center Positive

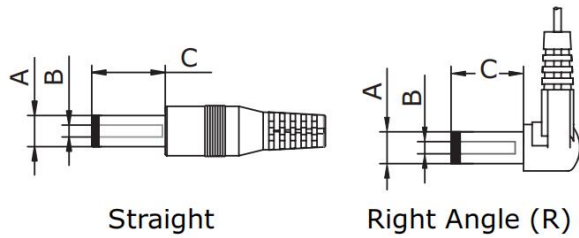


N= Center Negative

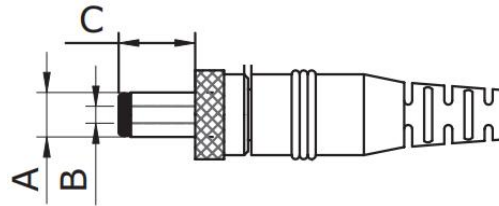


Plug Polarity		Type	Dimensions (mm)			Plug Angle	
Center Pos.	Center Neg.		A	B	C	Straight	Right
		Barrel	5.5	2.1	10		
			5.5	2.5	10		
			6.5	3.0	10		N/A
		Locking	5.5	2.1	9.5		N/A
			5.5	2.5	9.5		N/A
N/A	N/A	Din	3Pin 4Pin			N/A	
N/A	N/A	USB	USB Type C				N/A
N/A	N/A	Stipped & Tinned				N/A	N/A

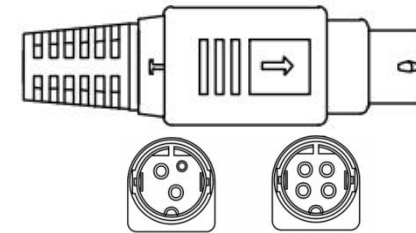
Barrel



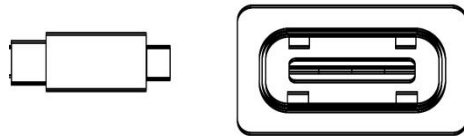
Locking



Din



USB Type C



Stripped & Tinned



AC POWER CORD

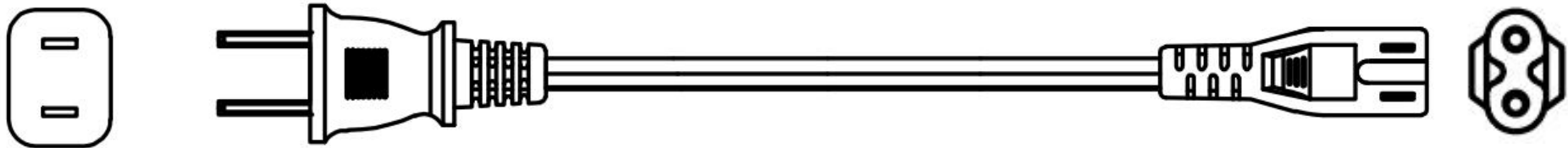
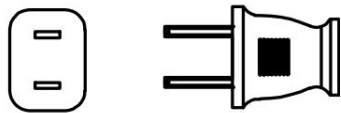


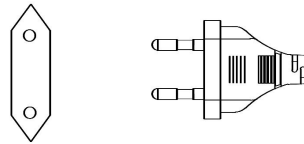
Table 2

AC Power Cord	North America	Europe	United Kingdom
Length	1200mm ± 30		
Cable Type	2Cx18AWG		
Connector	IEC320-C7		

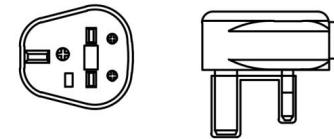
NORTH AMERICA



EUROPE



UNITED KINGDOM



REVISION HISTORY

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



YinghuiYuan Electronics (YHYadapter)

3rd BLD, Fuqiao 5th Industry,
Fuyong, Baoan, Shenzhen, CN
518103

<https://yhypoweradapter.com/>

Email: sales@yhypower.com

MB/Whatsapp: +86-13631527465