

96W SMPS (Desktop) Adapter

Features

- Limited Power Source (LPS) Power Supply
- Constant Voltage + Constant Current Output *(see overload protection)*
- Universal AC Input 90Vac – 264Vac
- No Load Power Consumption 150mW Max
- Class II, double isolated
- Protections: Short circuit/Overload/Over voltage
- Input Power Cord is Sold Separately *(See Page 3 for Options)*



Application

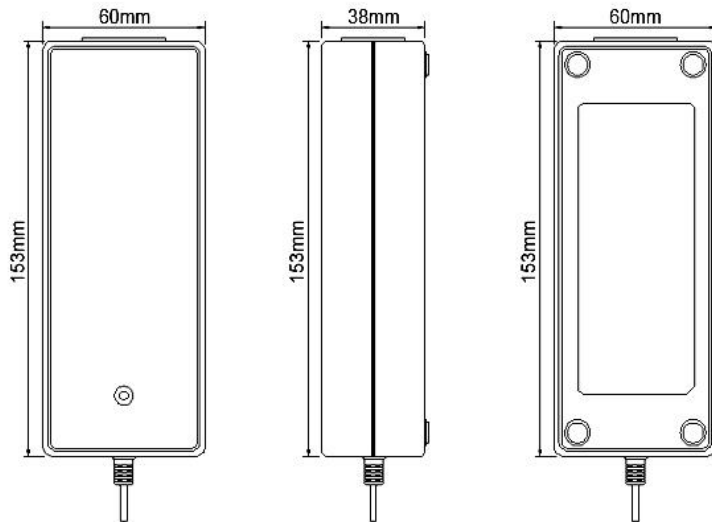
- Telecommunication Devices
- Industrial Equipment
- Office Devices
- Consumer Electronics



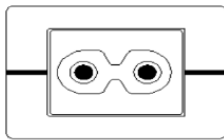
Specification						
Part Number		KS100DU-1200800	KS100DU-1500650	KS100DU-1900500	KS100DU-2400400	KS100DU-3600270
OUTPUT	Output Voltage	12VDC	15VDC	19VDC	24VDC	36VDC
	Max. Output Current	8A	6.5A	5A	4A	2.7A
	Output Connector	Male Min. DIN 4 Pin		2.5x5.5x11mm Plug		
	Output Power	96W	97.5W	95W	96W	97.2W
	Max. Output Ripple & Noise	120mV				
	Voltage Tolerance	±5%				
	Line Regulation	±2%				
	Load Regulation	±5%				
INPUT	Input Voltage Range	90Vac – 264Vac				
	Rated Input Voltage	100Vac – 240Vac				
	Frequency Range	47 – 63Hz				
	AC Current	≤ 0.6 Arms @ 100-240Vac				
	Max. Inrush Current	Cold Start 50A / 115Vac 80A / 230Vac				
	No Load Power Dissipation	150mW Max				
	AC Leakage Current	0.05mA Max @ 230Vac				
PROTECTION	Short Circuit/Over Voltage	The output is in the hiccup mode until the faulty condition is removed				
	Overload	The output is switched to the constant current mode at the max. current				
ENVIRONMENT	Working Temperature	0°C ~ 40°C				
	Storage Temperature	-40°C ~ 85°C				
	Relative Humidity	0°C ~ 40°C, 5% ~ 95% RH				
	Operation Altitude	0 – 5000 meters				
Safety and EMC	Safety	UL 62368-1, TUV/GS CE EN62368-1 60950-1, CB IEC62368-1 60950-1, AS/NZS 62368.1 60950.1, CCC GB4943.1, PSE J62368-1 60950-1, KC K60950-1				
	EMI	FCC PART 15 Class B, BS EN55032, BS EN55015, GB17625.1, GB9254, GISP22				
	EMS	BS EN61000-3-3, BS EN61000-4-2, BS EN61000-4-3, BS EN61000-4-4, BS EN61000-4-5, BS EN61000-4-6, BS EN61000-4-8, BS EN1000-4-11				

Mechanical Specification (unit: mm)

1. Dimension: 153mm x 60mm x 38mm (L x W x H)



2. Input Connector: non-polarized 2-pin C8 connector (IEC 60320 C8)

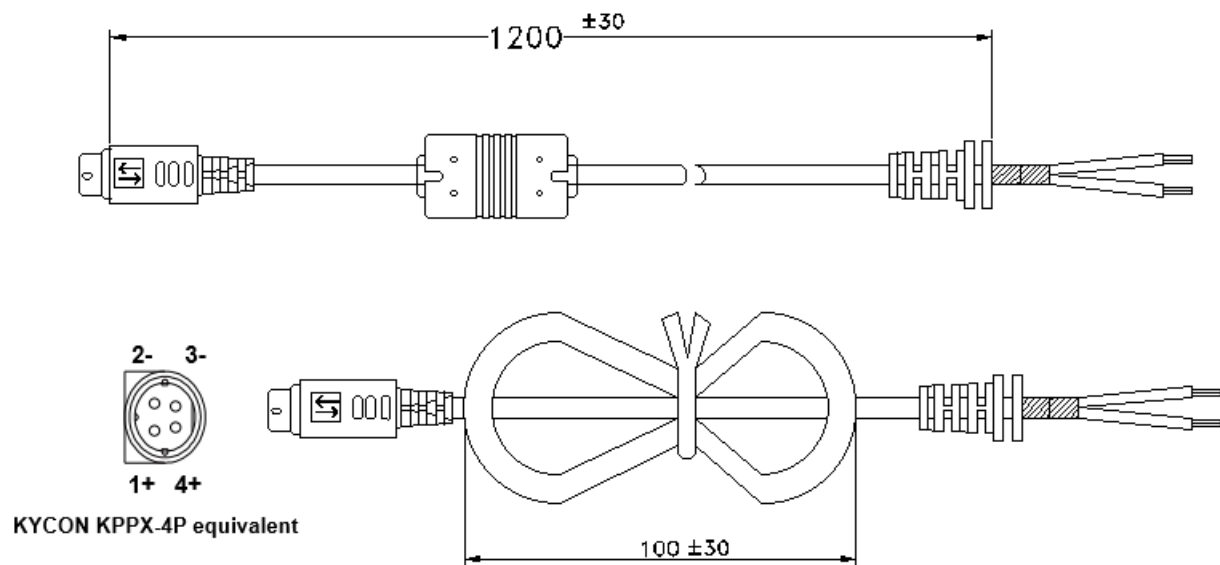


C8

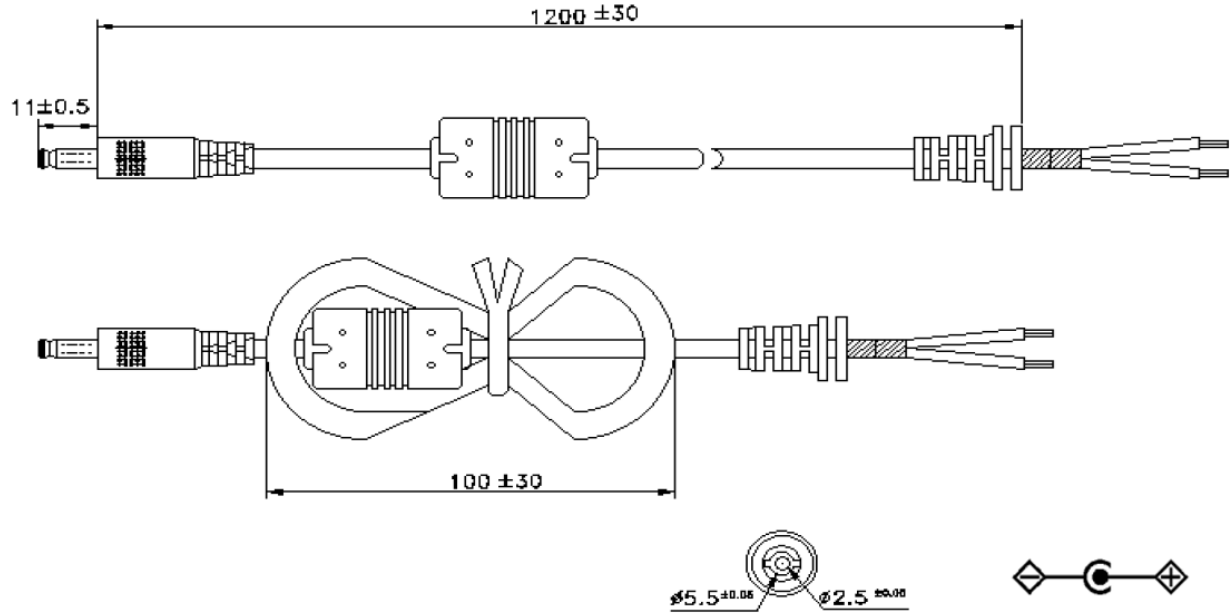
- For the use with the power cord with non-polarized 2-pin C7 connector (IEC 60320 C7)

3. DC Output Cord Drawing

- a) 1200mm UL 2464 16 AWG cable with the male Min. DIN 4 Pin (for 12VDC and 15VDC)



- b) 1200mm UL 2464 18 AWG cable with the 2.5mm (ID) x 5.5mm (OD) x 11mm plug (for 19VDC, 24VDC, and 36V)



Product Family

Part Number	Power	Voltage	Input Cord	Output Connector
KS100DU-1200800	96W	12V	Sold Separately (see the table below)	Male Min. DIN 4 Pin
KS100DU-1500650	97.5W	15V		
KS100DU-1900500	95W	19V		2.5x5.5x11mm Plug
KS100DU-2400400	96W	24V		
KS100DU-3600270	97.2W	36V		
KS150DU-1201000	120W	12V		Male Min. DIN 4 Pin
KS150DU-1500800	120W	15V		
KS150DU-1900600	114W	19V		
KS150DU-2400500	120W	24V		2.5x5.5x11mm Plug
KS150DU-3600330	118.8W	36V		

Note: only the KS100DU series is LPS

Input Power Cord Selection Table

Part Number	Region	Plug	Cable	Rating	Color	Length	Approval
CU120MC7B	North America	NEMA 1-15P	NISPT-2, 2C, 18AWG	125V, 7A	Black	1.2M	cULus
CB120MC7B	United Kingdom	BS 1363A	H03VVH2-F, 2x0.75mm ²	250V, 2.5A			VDE
CA120MC7B	Australia	AS 3112	H03VVH2-F, 2x0.75mm ²	250V, 2.5A			SAA
CE120MC7B	Europe	CEE 7/16	H03VVH2-F, 2x0.75mm ²	250V, 2.5A			VDE
CK120MC7B	Japan	JIS 8303	VCTFK, 2x0.75mm ²	125V, 7A			PSE, JET
CJ120MC7B	Korea	KSC 8305	H03VVH2-F, 2x0.75mm ²	250V, 2.5A			KCC