

Universal 120 Watt - UES120-XXXYYYSPAZ - OP

CLASS I & II

Product Features

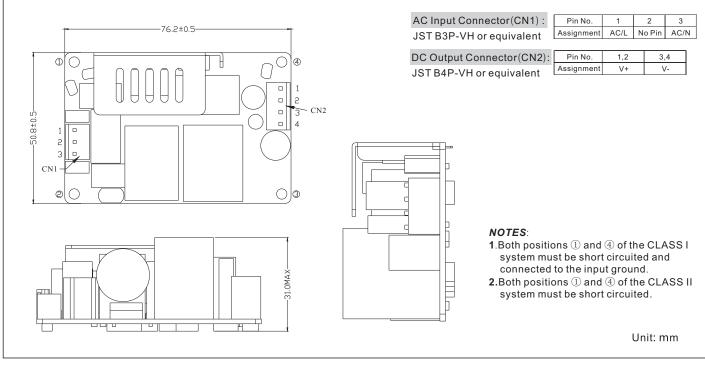
- Medical safety approvals
- 2 MOPP input to output isolation
- Leakage current: ≤ 100μA
- Efficiency up to 95%
- ≤ 0.5W standby power
- Peak Load: 125% Rated Load (10s)
- Up to 5,000m operating altitude
- Convection cool



Models & Parameters

Model Number	Voltage ^(*1) (V)	Current (A)	Rated Power	Ripple & Noise (max)(*2)	Voltage Tolerance	Line & Load Regulation	Efficiency	Start Up Delay
UES120-XXXYYYSPAZ-OP	12.0	10.00	120 .00W	150mVpk-pk	±5%	Line:±1% Load:±2%	92.0%	≤3s
	15.0	8.00	120 .00W	150mVpk-pk	±5%		92.0%	≤3s
	18.0	6.66	119.88W	180mVpk-pk	±5%		93.0%	≤3s
	19.0	6.31	119.89W	180mVpk-pk	±5%		93.0%	≤3s
	24.0	5.00	120.00W	240mVpk-pk	±5%		93.0%	≤3s
	27.0	4.44	119.88W	300mVpk-pk	±5%		93.0%	≤3s
	36.0	3.33	119.88W	300mVpk-pk	±5%		94.0%	≤3s
	48.0	2.50	120.00W	400mVpk-pk	±5%		95.0%	≤3s
	54.0	2.22	119.88W	400mVpk-pk	±5%		95.0%	≤3s

Mechanical Details



Notes

- (*1) Other options are available, please contact our sales representative for details.
- (*2) Measured at output connector with 20MHz bandwidth and 0.1uF ceramic in parallel with 10uF electrolytic capacitors
- (*3) "Z" represents "1" or "2": "1" refers to the CLASS II standard, used for 2PIN input; "2" refers to the CLASS I standard, used for 3PIN input.



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Input

Input Voltage Range 85-264VAC(85-115VAC refer to derating curve)

Frequency Range 47-63Hz

Input Current 2.0A max at 100VAC

Inrush Current 100A max at 240VAC cold start

Touch Leakage Current (max) ≤100µA at 264VAC

Environmental General

Operating Temperature -30°C to 85°C(40-85°C refer to derating curve)

Storage Temperature -40°C to 85°C

Operating Humidity 5% to 90% RH, non-condensing

Storage Humidity 5% to 95% RH

Operating Altitude 5,000m

Dimensions 76.2(L)x50.8(W)x31.0(H)mm

3x2"

Power supply power density 1.000W/cm³

Weight 130g

MTBF >1000,000hrs Telcordia_SR-332 at 25°C

Protection

Overload 120-180% rated output power, auto recovery
Over Voltage 110-150% rated output voltage input to reset
Short Circuit Trip and restart (hiccup mode)

Safety Approvals

Safety Agency / Mark	Medical(meet)	ITE	
СВ	IEC60601-1	-	
NRTL	ANSI/AAMI ES60601-1 CAN/CSA C22.2 NO.60601-1	-	
TÜV Mark	EN60601-1	-	

EMC

Emission	Medical	ITE	
Conduction Radiation Harmonic Currents Voltage Flicker	IEC/EN60601-1-2,CISPR 11 IEC/EN60601-1-2,CISPR 11 EN61000-3-2, Class A EN61000-3-3	- - -	
Immunity	IEC/EN60601-1-2		
ESD Radiated Immunity EFT/Burst Surge Conducted Immunity Magnetic Field Dips & Interruptions	IEC61000-4-4 ±2KV on AC po IEC61000-4-5 ±2KV line - line	B0MHz - 2.7GMHz ort, ±1KV on signal ports e ,±4KV line - earth (0.15MHz-80MHz)	

NOTE:

The power supply is considered a component which will be installed into a final equipment. All EMC tests are executed by mounting the unit on a 360mm*360mm metal plate with 1mm of thickness. The final equipment must be re-confirmed that it still meets EMC directives.

Others

Dielectric Withstand Voltage 4000VAC input to output

Insulation Resistance 100M Ohms, 500VDC input to output

Derating Curve

