IP20 Class II

Product Features

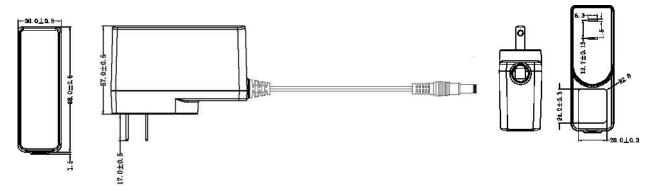
- Meets medical & I.T.E. safety
- 2 MOPP input to output isolation
- Touch current: ≤100µA
- Energy efficiency level VI
- $. \le 0.075W$ standby power
- 6.1V to 52V outputs, up to 24W
- Up to 5,000m operating altitude
- UL AC plugs



Models & Ratings

widucis & ivadings	'							
Model Number	Voltage (*1) (V)	Current (A)	Rated Power	Ripple & Noise	Voltage Tolerance	Line & Load Regulation	Efficiency (Average)	Start Up Delay
UES24LU2-XXXYYYSPA	6.1-7.0	0.01-3.00	21.00W	120mVpk-pk	±5%		86.2%	≤3s
	7.1-8.0	0.01-2.62	21.00W	120mVpk-pk	+5%		86.2%	≤3s
	8.1-9.0	0.01-2.33	21.00W	150mVpk-pk	±5%		86.2%	≤3s
	9.1-10.0	0.01-2.10	21.00W	150mVpk-pk	±5%		86.2%	≤3s
	10.1-11.0	0.01-2.18	24.00W	150mVpk-pk	±5%		87.0%	≤3s
	11.1-12.0	0.01-2.00	24.00W	150mVpk-pk	±5%		87.0%	≤3s
	12.1-13.0	0.01-1.84	24.00W	200mVpk-pk	±5%		87.0%	≤3s
	13.1-14.0	0.01-1.71	24.00W	200mVpk-pk	±5%		87.0%	≤3s
	14.1-15.0	0.01-1.60	24.00W	200mVpk-pk	$\pm 5\%$	Line: ±1%	87.0%	≤3s
	15.1-16.0	0.01-1.50	24.00W	200mVpk-pk	+5%		87.0%	≤3s
	16.1-17.0	0.01-1.41	24.00W	200mVpk-pk	±5%		87.0%	≤3s
	17.1-18.0	0.01-1.33	24.00W	200mVpk-pk	$\pm 5\%$	Load: ±5%	87.0%	≤3s
	18.1-19.0	0.01-1.26	24.00W	200mVpk-pk	±5%		87.0%	≤3s
	19.1-20.0	0.01-1.20	24.00W	240mVpk-pk	$\pm 5\%$		87.0%	≤3s
	20.1-21.0	0.01-1.14	24.00W	240mVpk-pk	$\pm 5\%$		87.0%	≤3s
	21.1-22.0	0.01-1.09	24.00W	240mVpk-pk	$\pm 5\%$		87.0%	≤3s
	22.0-23.0	0.01-1.04	24.00W	240mVpk-pk	±5%		87.0%	≤3s
	23.1-24.0	0.01-1.00	24.00W	240mVpk-pk	$\pm 5\%$		87.0%	≤3s
	45.1-46.0	0.01-0.52	24.00W	300mVpk-pk	$\pm 5\%$		87.0%	≤3s
	46.1-47.0	0.01-0.51	24.00W	300mVpk-pk	±5%		87.0%	≤3s
	47.1-48.0	0.01-0.50	24.00W	300mVpk-pk	±5%		87.0%	≤3s
	48.1-49.0	0.01-0.49	24.00W	300mVpk-pk	±5%		87.0%	≤3s
	49.1-50.0	0.01-0.48	24.00W	300mVpk-pk	±5%		87.0%	≤3s
	50.1-51.0	0.01-0.47	24.00W	300mVpk-pk	±5%		87.0%	≤3s
	51.1-52.0	0.01-0.46	24.00W	300mVpk-pk	±5%		87.0%	≤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

Input

Input Voltage Range 90-264VAC Frequency Range 47-63HZ Input Current 0.5A at 90VAC

70A max at 240VAC cold start ≤100µA at 264VAC Inrush Current

Touch Leakage Current^(max)

Environmental General

0°C to 45°C Operating Temperature Dimensions 88(L)x30(W)x57(H)mm Storage Temperature -20°C to 60°C Weight 10% to 90% RH, non-condensing Operating Humidity >100,000hrs MIL-HDBK-217 at25°C **MTBF** Storage Humidity 5% to 90% RH Operating Altitude 5,000m

Overload 110-200% rated output power, auto recovery Over Voltage Short 120-150% rated output voltage input to reset Circuit Trip and restart (hiccup mode)

Safety Approvals

Safety Agency / Mark Medical ITE CB IEC60601-1 IEC62368-1 UL ANSI/AAMI ES60601-1 CAN/CSAC22.2 NO. 60601-1 TUV EN62368-1 PSE J62368-1

Emissons	Medical	ITE		
Conducted Radiated Harmonic Currents Voltage Flicker	IEC/EN 60601-1-2,CISPR IEC/EN 60601-1-2,CISPR EN61000-3-2,ClassA EN61000-3-3	,		
Immunity	IEC/EN 60601-1-2	EN55024, CISPR24		
ESD Radiated Immunity EFT/Burst Surge Conducted Immunity Magnetic Field Dips & Interruptions	EN61000-4-3 EN61000-4-4 EN61000-4-5 EN61000-4-6 EN61000-4-8 30A/m	±15KVair, ±8KV contact 10V/m ,3V/m 80MHz - 2.7GMHz ±2KV on AC port, ±1KVon signal ports ±1KV line to line (diff mode) 3Vrms, 6Vrms (0.15MHz-80MHz) 30A/m 0%, 70%,0% of UT		

Others

Dielectric Withstand Voltage 5.656VDC input to output

Insulation Resistance 10M Ohms, 500VDC input to output