

IP20 Class II (VI)

Product Features

- Meets medical & I.T.E. safety
- 2 MOPP input to output isolation
- Leakage current $\leq 100\mu\text{A}$
- Energy efficiency level VI
- $\leq 0.15\text{W}$ standby power
- Up to 5,000m operating altitude
- GaN technology

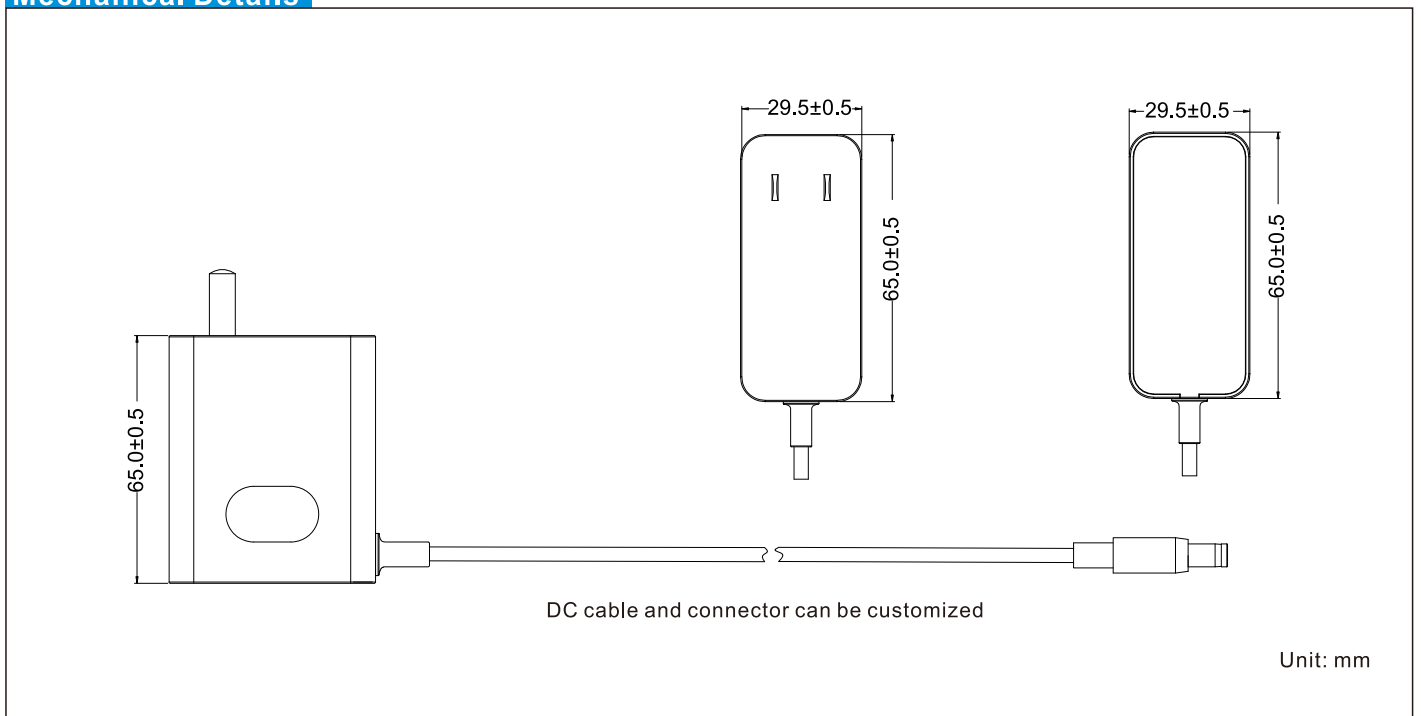

Models & Parameters

Model Number	Voltage	Current	Rated Power	Ripple & Noise (max)	Voltage Tolerance	Line & Load Regulation	Efficiency (Average)	Start Up Delay
UES65LZ3-SPA	12.0	0.01-5.00	60.00W	200mVpk-pk	$\pm 5\%$		89.00%	$\leq 3\text{s}$
	15.0	0.01-4.33	65.00W	200mVpk-pk	$\pm 5\%$	Line: $\pm 5\%$	89.00%	$\leq 3\text{s}$
	19.0	0.01-3.42	65.00W	240mVpk-pk	$\pm 5\%$	Load: $\pm 5\%$	89.00%	$\leq 3\text{s}$
	24.0	0.01-2.70	65.00W	240mVpk-pk	$\pm 5\%$		89.00%	$\leq 3\text{s}$

Model encoding:

Replace "Z" with "C" for fixed CHN AC plug

Replace "Z" with "U" for fixed US AC plug

Mechanical Details


Input

Input Voltage Range	90-264VAC
Frequency Range	47-63Hz
Input Current	1.5A at 100VAC
Touch Leakage Current (max)	≤ 100µA at 264VAC

Environmental

Operating Temperature	0°C to 40°C
Storage Temperature	-40°C to 70°C
Operating Humidity	10% to 90% RH, non-condensing
Storage Humidity	5% to 90% RH
Operating Altitude	5,000m

General

Other Dimensions	65.0(L) 65.0(W) 29.5(H)mm
Weight	190g
MTBF	>100,000hrs MIL-HDBK-217 at 25°C

Protection

Overload	200%max , auto recovery
Over Voltage	150%max , auto recovery
Short Circuit	Auto recovery

Safety Approvals

Safety Agency / Mark	Medical(meet)	ITE(meet)
CB	IEC60601-1	
UL	ANSI/AAMI ES60601-1 CAN/CSA-C22.2 NO. 60601-1	
CCC	-	GB4943.1

EMC

Emission	Medical	ITE
Conduction	IEC/EN60601-1-2, CISPR 11	EN55032, CISPR 32
Radiation	IEC/EN60601-1-2, CISPR 11	EN55032, CISPR 32
Harmonic Currents	EN61000-3-2, Class A	EN61000-3-2, Class A
Voltage Flicker	EN61000-3-3	EN61000-3-3
Immunity	IEC/EN60601-1-2	EN55035, CISPR 35
ESD	IEC61000-4-2 ±15KV air, ±8KV contact	
Radiated Immunity	IEC61000-4-3 10V/m, 3V/m 80MHz - 2.7GMHz	
EFT/Burst	IEC61000-4-4 ±2KV on AC port, ±1KV on signal ports	
Surge	IEC61000-4-5 ±1KV line to line (DM)	
Conducted Immunity	IEC61000-4-6 3Vrms, 6Vrms (0.15MHz-80MHz)	
Magnetic Field	IEC61000-4-8 30 A/m	
Dips & Interruptions	IEC61000-4-11 0%, 70%, 0% of UT	

Others

Dielectric Withstand Voltage	4000VAC input to output
Insulation Resistance	10M Ohms, 500VDC input to output