Universal 65 Watt - UES65CZ-SPA Series

CB @ FC

IP22 Class I & II (VI)

Product Features

- Meet medical safety approvals
- 2 MOPP input to output isolation
- Leakage current ≤ 100µA
- Energy efficiency level VI
- ≤ 0.15W standby power
- Peak load: 140W MAX @Rated Input Voltage
- Up to 5,000m operating altitude
- 4 types of AC inlet

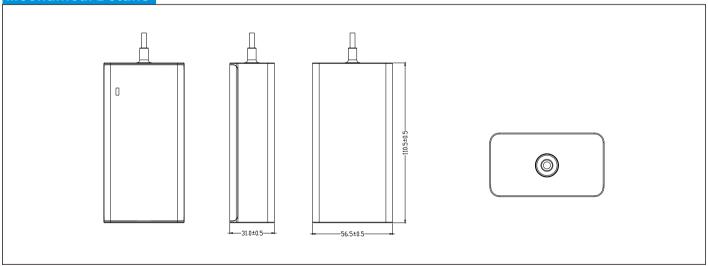


Models & Ratings

Model Number	Voltage ^(*1) (V)	Current (A)	Rated Power	Ripple & Noise	Voltage Tolerance	Line & Load Regulation	Efficiency (Average)	Start Up Delay
UES65CZ-XXXYYYSPA	12.0	0.01-5.0	60W	200mVpk-pk	±5%	Line: ±1% Load: ±5%	88.0%	≤3s
	12.1-13.0	0.01-4.61	60W	200mVpk-pk	±5%		88.0%	≤3s
	13.1-14.0	0.01-4.28	60W	200mVpk-pk	±5%		88.0%	≤3s
	14.1-15.0	0.01-4.00	60W	200mVpk-pk	±5%		88.0%	≤3s
	19.0	0.01-3.42	65W	200mVpk-pk	±5%		88.0%	≤3s
	19.1-20.0	0.01-3.25	65W	240mVpk-pk	±5%		88.0%	≤3s
	20.1-21.0	0.01-3.09	65W	240mVpk-pk	±5%		88.0%	≤3s
	21.1-22.0	0.01-2.95	65W	240mVpk-pk	±5%		88.0%	≤3s
	22.1-23.0	0.01-2.82	65W	240mVpk-pk	±5%		88.0%	≤3s
	23.1-24.0	0.01-2.71	65W	240mVpk-pk	±5%		88.0%	≤3s

Model encoding: replace "Z" with "1" for C8 (Class II), "2" for C6 (Class I), "3" for C14 (Class I), "4" for C18 (Class I)AC inlets

Mechanical Details



AC Inlet Options









Notes

(*1) Other options are available, please contact our sales representative for details.



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Input

Input Voltage Range 80-264VAC(80-90VAC refer to derating curve)

Frequency Range 47-63Hz 1.8A at 90VAC Input Current

Inrush Current 120A max at 240VAC cold start

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

Environmental General

Operating Temperature -30°C to 70°C(40°C to 70°C refer to derating curve) -40°C to 85°C Storage Temperature

Operating Humidity 10% to 90% RH, non-condensing Weight

Storage Humidity 5% to 90% RH Operating Altitude 5,000m

Dimensions 110.5(L) 56.5(W) 31.0(H)mm

Power density 0.335W/cm3

260a

MTBF >500,000hrs MIL-HKBK-217 at 25°C

Protection

Overload 220-330% rated output power, auto recovery Over Voltage 110-145% rated output voltage input to reset **Short Circuit** Trip and restart (hiccup mode)

Safety Approvals

Safety Agency / Mark	Medical
СВ	IEC60601-1 ANSI/AAMI ES60601-1
NRTL	CAN/CSA-C22.2 NO. 60601-1
TUV-SUD/MARK	EN60601-1

EMC

Emissons	Medical			
Conducted Radiated Harmonic Currents Voltage Flicker	IEC/EN 60601-1-2, CISPR 11 IEC/EN 60601-1-2, CISPR 11 EN61000-3-2, Class A EN61000-3-3			
Immunity	IEC/EN 60601-1-2			
ESD Radiated Immunity EFT/Burst Surge Conducted Immunity Magnetic Field Dips & Interruptions	EN61000-4-2 ±15kV air, ±8kV contact EN61000-4-3 10V/m,3V/m 80MHz - 2.7GMHz EN61000-4-4 ±2kV on AC port, ±1kV on signal ports EN61000-4-5 ±1KV line to line (DM) EN61000-4-6 3Vrms, 6Vrms (0.15MHz-80MHz) EN61000-4-8 30 A/m EN61000-4-11 0%, 70%, 0% of UT			

Others

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

Derating Curve

