

IP40 CLASS I & II (VII)

Product Features

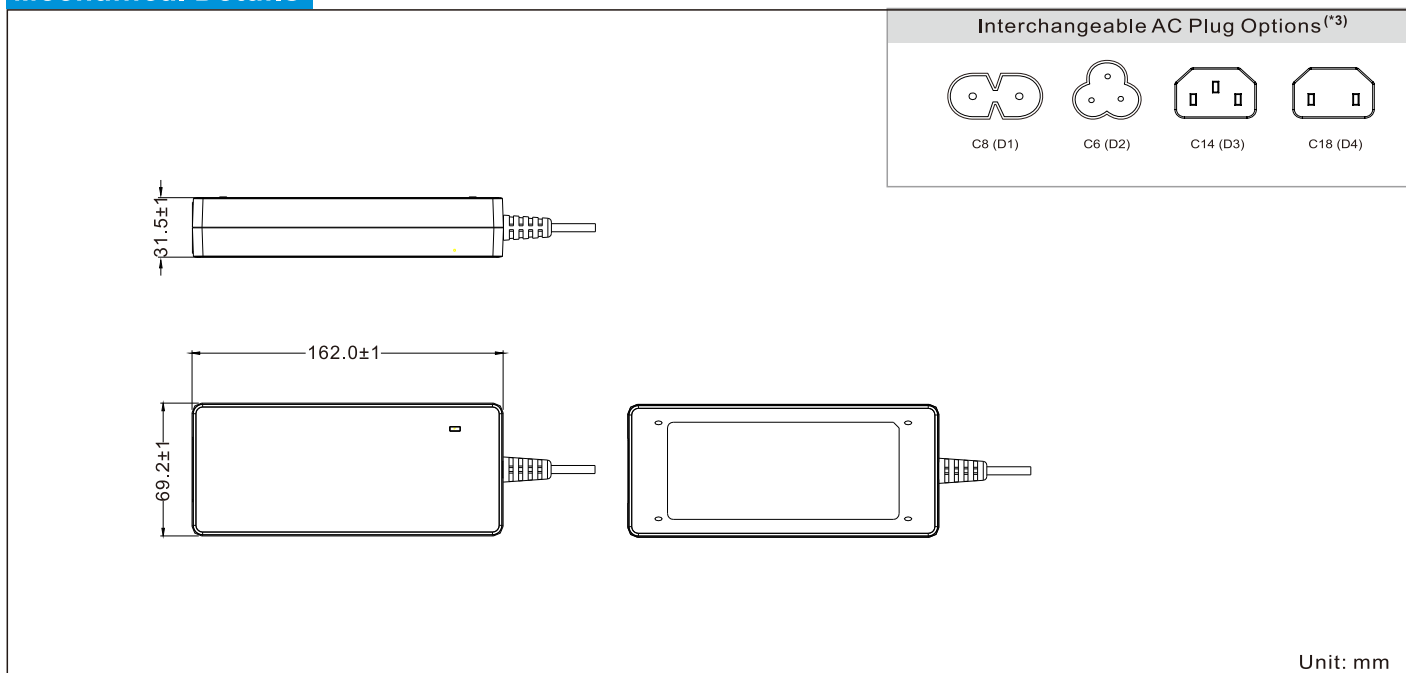
- Medical & I.T.E. & Household safety standard
- 2 MOPP in put to output isolation
- Touch current : $\leq 100\mu\text{A}$
- Energy efficiency level VII
- $\leq 0.15\text{W}$ standby power
- 12.0V-54.0V outputs, up to 150W
- Up to 5,000m operating altitude
- 4 types of AC inlet
- High Efficiency up to 94%



Models & Parameters

Model Number	Voltage ^(*1) (V)	Current (A)	Rated Power	Ripple & Noise (max) ^(*2)	Voltage Tolerance	Line & Load Regulation	Efficiency (TYPE)	Start Up Delay
UES150C-XXXXYYSPAZ	12.0	0.01-12.5	150.00W	150mVpk-pk	±5%	Line: ±1% Load: ±5%	91%	≤3s
	15.0	0.01-10.0	150.00W	150mVpk-pk	±5%		91%	≤3s
	18.0	0.01-8.33	150.00W	200mVpk-pk	±5%		92%	≤3s
	19.0	0.01-7.89	150.00W	200mVpk-pk	±5%		92%	≤3s
	24.0	0.01-6.25	150.00W	300mVpk-pk	±5%		92%	≤3s
	36.0	0.01-4.17	150.00W	300mVpk-pk	±5%		93%	≤3s
	48.0	0.01-3.13	150.00W	400mVpk-pk	±5%		94%	≤3s
	54.0	0.01-2.78	150.00W	500mVpk-pk	±5%		94%	≤3s

Mechanical Details



Notes

(*1, 3) 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	80-264VAC
Frequency Range	47-63Hz
Input Current	2.0A at 90VAC
Inrush Current	120A max at 240VAC cold start
Touch Leakage Current ^(max)	≤100μA at 264VAC

Environmental

Operating Temperature	-10°C to 40°C
Storage Temperature	-40°C to 80°C
Operating Humidity	5% to 95% RH, non-condensing
Storage Humidity	5% to 90% RH
Operating Altitude	5,000m

General

Dimensions	162(L)x69.2(W)x31.5(H)mm
Weight	490g
MTBF	>100,000hrs MIL-HDBK-217 at 25°C

Protection

Overload	130-180% rated output power, auto recovery
Over Voltage	120-150% rated output voltage input to reset
Short Circuit	Trip and restart (hiccup mode)

Safety Meets

Safety Agency / Mark	Medical(meet)	ITE(meet)	Household(meet)
CB	IEC60601-1	IEC62368-1	IEC60335
UL	ANSI/AAMI ES60601-1 CAN/CSA C22.2 NO. 60601-1	UL62368-1 CAN/CSA C22.2 NO. 62368	
TüV SUD/Mark	EN60601-1	-	-
TüV SUD/GS	-	EN62368-1	-
RCM	-	AS/NZS 62368.1	-
CE	-	EN62368	EN 60335
CCC	-	GB4943.1	-
PSE	-	J62368	-
KC	-	62368	-
FCC	-	FCC PART 15	- -

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	3V/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, ±2KV/Line-Earth
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	100M Ohms, 500VDC input to output

Derating Curve

