

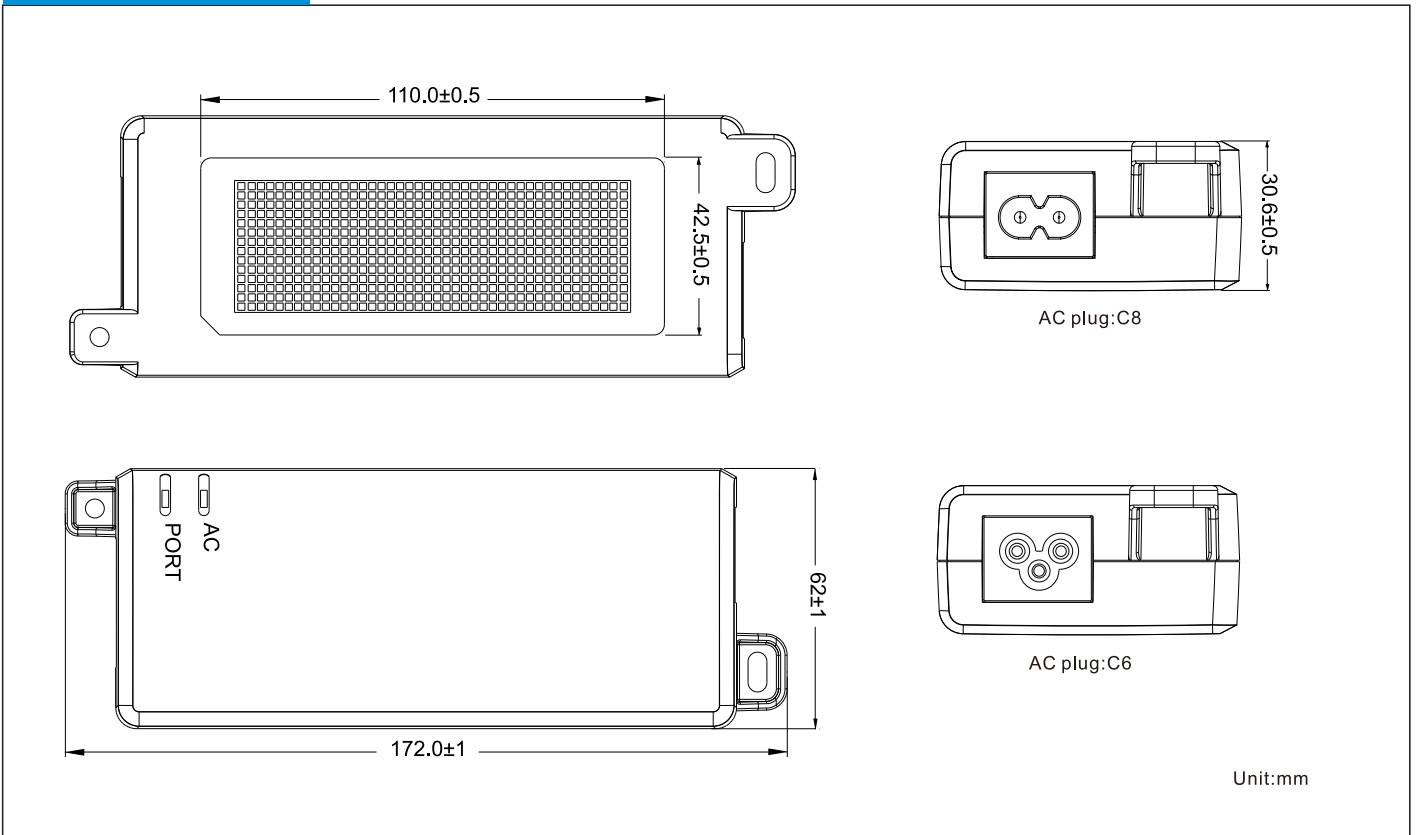

**Product Features**

- Meet medical & I.T.E. safety approvals
- Protections against: short circuit/over current/over voltage
- Average energy efficiency  $\geq 85\%$
- Meet IEEE802.3 af/at standard
- Support 10Mbps/100Mbps/1Gbps/2.5Gbps/5Gbps Ethernet transmission
- Meet 4KV surge immunity
- Meet 3KV EFT immunity


**Models & Parameters**

Model Number	Voltage (V)	Current (A)	Rated Power	Ripple & Noise (max)	Voltage Tolerance	Line & Load Regulation	Efficiency (Average)	Start Up Delay
PoE30DZ-540056	54	0.01-0.56	30.00W	200mVpk-pk	$\pm 5\%$	Line: $\pm 2\%$ Load: $\pm 5\%$	85.00%	$\leq 3s$

Model encoding:  
 Replace "DZ" with "D1" for C8 AC plug  
 Replace "DZ" with "D2" for C6 AC plug

**Mechanical Details**


**Input**

Input Voltage Range	80-264VAC
Frequency Range	47-63Hz
Input Current	1.0A at 80VAC
Inrush Current	100A max at 240VAC cold start
Touch Leakage Current <sup>(max)</sup>	≤ 100µA at 264VAC

**Environmental**

Operating Temperature	0°C to 40°C
Storage Temperature	-40°C to 80°C
Operating Humidity	10% to 90% RH, non-condensing
Storage Humidity	5% to 90% RH
Operating Altitude	5,000m

**General**

Dimensions	172.0(L) 62.0(W) 30.6(H)mm
Weight	200g
MTBF	>100,000hrs MIL-HK8K-217 at 25°C

**Protection**

Overload	103-140% rated output power, auto recovery
Over Voltage	60V MAX
Short Circuit	Trip and restart (hiccup mode)

**Safety Approvals**

Safety Agency / Mark	Medical(meet)	ITE(meet)
CB	IEC60601-1	IEC62368-1
UL	ANSI/AAMI ES60601-1 CAN/CSA-C22.2 NO.	-
TüV-SUD/Mark	EN60601-1	
TüV-SUD/GS	-	EN62368-1
CCC	-	GB4943.1
PSE	-	J62368-1
RCM	-	AS/NZS62368.1
CE	-	EN62368-1
FCC	-	FCC PART 15
BSMI	-	CNS15598-1
NOM	-	NOM-001-SCFI-2018

**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, ±1KV line to GND
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