

## Features

- Medical Safety approvals
- Low Leakage current
- EN55022-B, CISPR22-B FCC Part15, Level B Noise
- 12 mm creepage and clearance
- Class 1 product



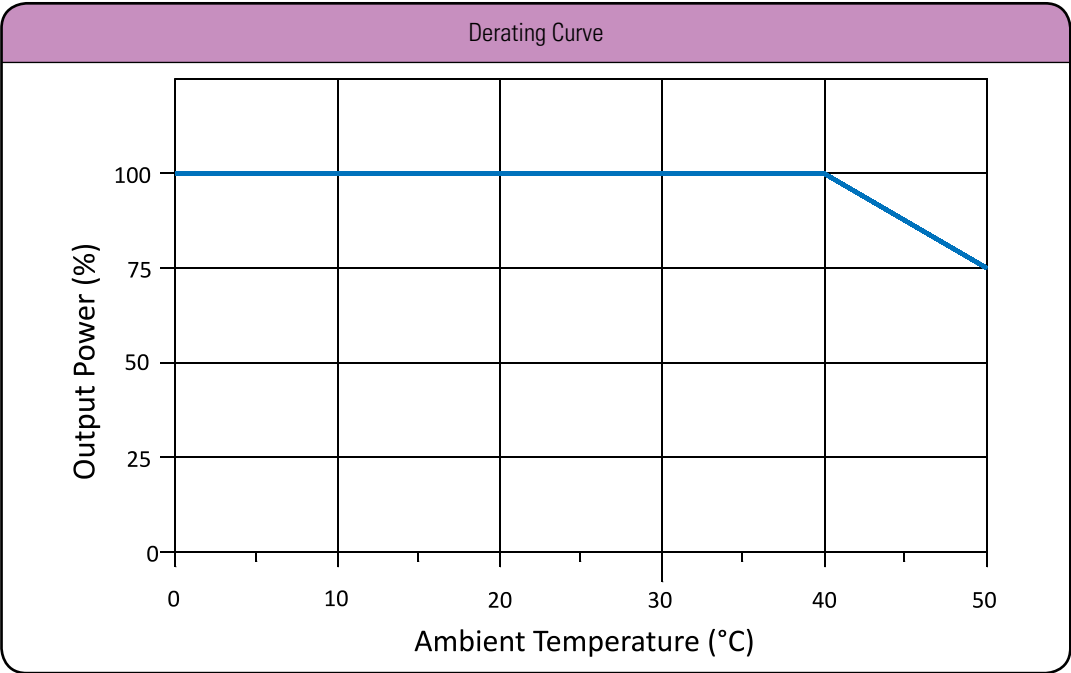
## Electrical Specifications

AC Input	90–264 V, Universal	
Input Frequency	47–63 Hz	
Input Current	120 VAC: 1.4 A max.	230 VAC: 0.7 A max.
Inrush Current	120 VAC: Limited to safe value	230 VAC: Limited to safe value
Leakage Current	120 VAC: < 140 $\mu$ A	230 VAC: < 250 $\mu$ A
Efficiency	120 VAC: 78% typical	230 VAC: 80% typical
Hold-up Time	120 VAC: 10 ms	230 VAC: 10 ms
Output Power	55 to 65 W	
Line Regulation	+/-0.5%	
Load Regulation	+/-5.0%	
Transient Response	< 5%; load change from 10% to 100%, 100 Hz, 50% duty cycle, 0.1 A/ $\mu$ s, recovery time < 5 ms	
Rise Time	< 100 ms	
Set Point Accuracy	+/-5%	
Turn-on delay	< 1 s	
Over Current Protection	Autorecovery	
Over Voltage Protection	Redundant feedback type	
Short Circuit Protection	Short term, autorecovery	
Switching Frequency	66 kHz typical	
Isolation Voltage	Min. 5700 VDC between input to output, 2MOPP (pending); 1500 VAC between input to earth, 1MOPP; 500 VAC output to earth	
Operating Temperature	0 to 40°C	
Storage Temperature	-40 to +85°C	
Relative Humidity	95% Rh, noncondensing	
MTBF	1.61m Hours, Telcordia SR332 Issue-3	
Cooling	Convection	

Model Number	Case Type	Voltage	Max. Load	Min. Load	Ripple
LFMVC65NR12E	NR	12 V	4.58 A	0.0 A	< 2%
LFMVC65NR15E	NR	15 V	3.67 A	0.0 A	< 2%
LFMVC65NR19E	NR	19 V	3.42 A	0.0 A	< 2%
LFMVC65NR24E	NR	24 V	2.70 A	0.0 A	< 2%
LFMVC65NR48E	NR	48 V	1.35 A	0.0 A	< 2%

**Notes**

1. Ripple is peak to peak with 20 MHz bandwidth and 10  $\mu$ F (Tantalum capacitor) in parallel with a 0.1  $\mu$ F capacitor at rated line voltage and load ranges.
2. Specifications are for nominal input voltage, 25°C and max. load unless otherwise stated.
3. Derate output power linearly to 80% from 90 VAC to 80 VAC input.



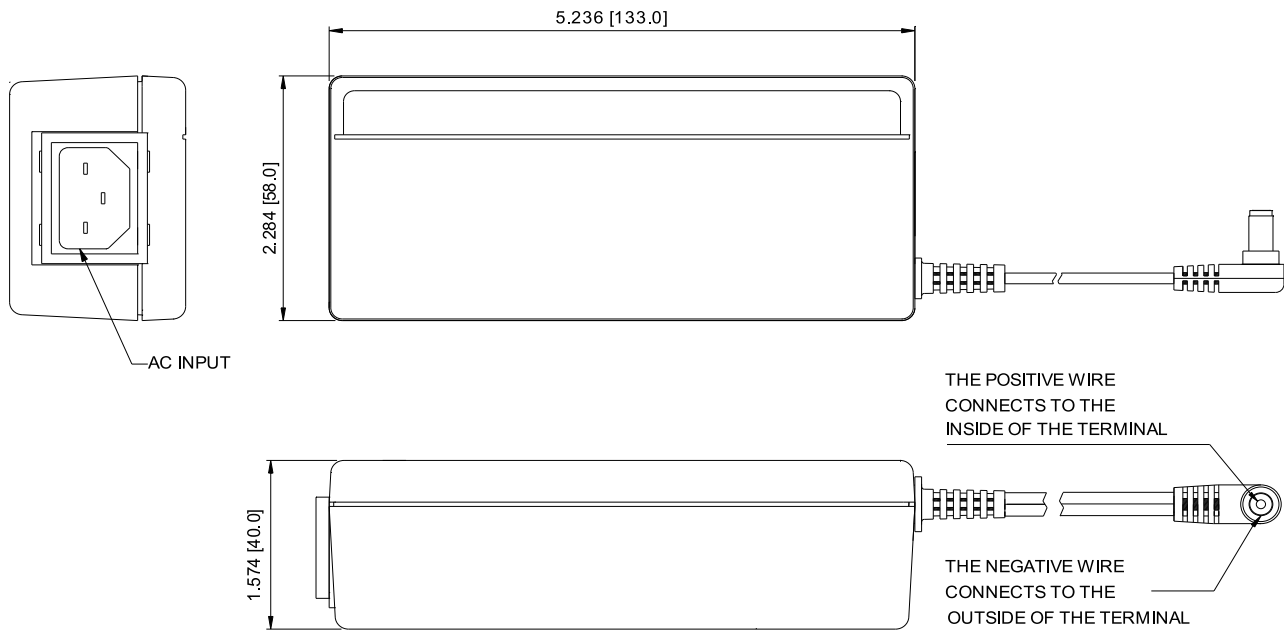
## Mechanical Specifications

AC Input Connector	IEC60320-C14
DC Output Connector	Right angle plug; ID: 2.54 mm, OD: 5.54 mm Barrel length: 9.6 mm. Center positive polarity Cable length: 40 inches
Dimensions	5.236 x 2.283 x 1.574 inches (133.0 x 58.0 x 40.0 mm)
Weight	340 g
<b>EMC</b>	
CE Mark	Complies with LVD and EMC Directives
Conducted Emissions	EN55022-B, CISPR22-B, FCC PART15 Class -B, EN50082-1, EN60601-1-2
Static Discharge	EN61000-4-2, Level-3
RF Field Susceptibility	EN61000-4-3, Level-3
Fast Transients/Bursts	EN61000-4-4, Level-3
Radiated Emissions	EN55022-B, CISPR22-B, FCC PART15-B
Surge Susceptibility	EN61000-4-5, Level-3
<b>Safety</b>	
Safety Standard(s)	IEC60601-1 (ed.3 with RM pending), EN60601-1, UL60601-1 (1st Edition), CSA C22.2 NO. 601 Class 1 SELV
Approval Agency	Nemko, UL, C-UL (Recognized Comp)
Safety File Number(s)	Nemko: P06205782/A1 UL: E173812



Innovations in Power

## Mechanical Drawing



MECHANICAL OUTLINE DIMENSIONS  
ALL DIMENSIONS ARE IN INCHES [MM]  
GEN. TOLERANCE:  $\pm 0.02$  [ $\pm 0.5$ ]