

Features

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



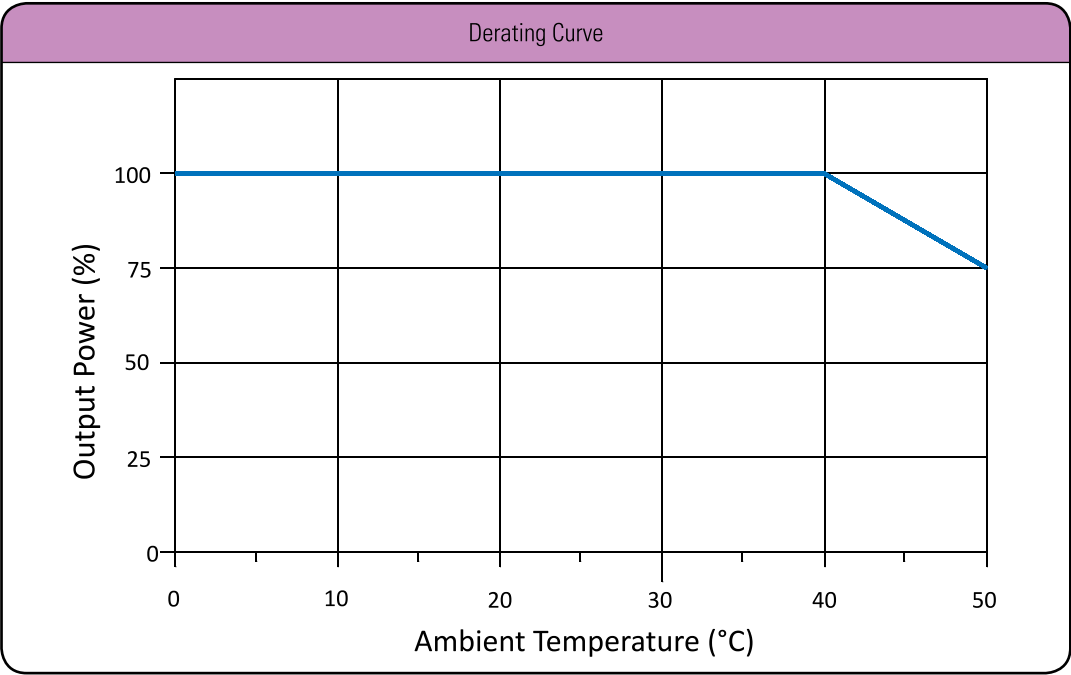
Electrical Specifications

| | | |
|--------------------------|--|--------------------------------|
| 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 μ A | 230 VAC: < 250 μ 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/ μ 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 | > 100 kh, Bellcore TR-332 | |
| 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

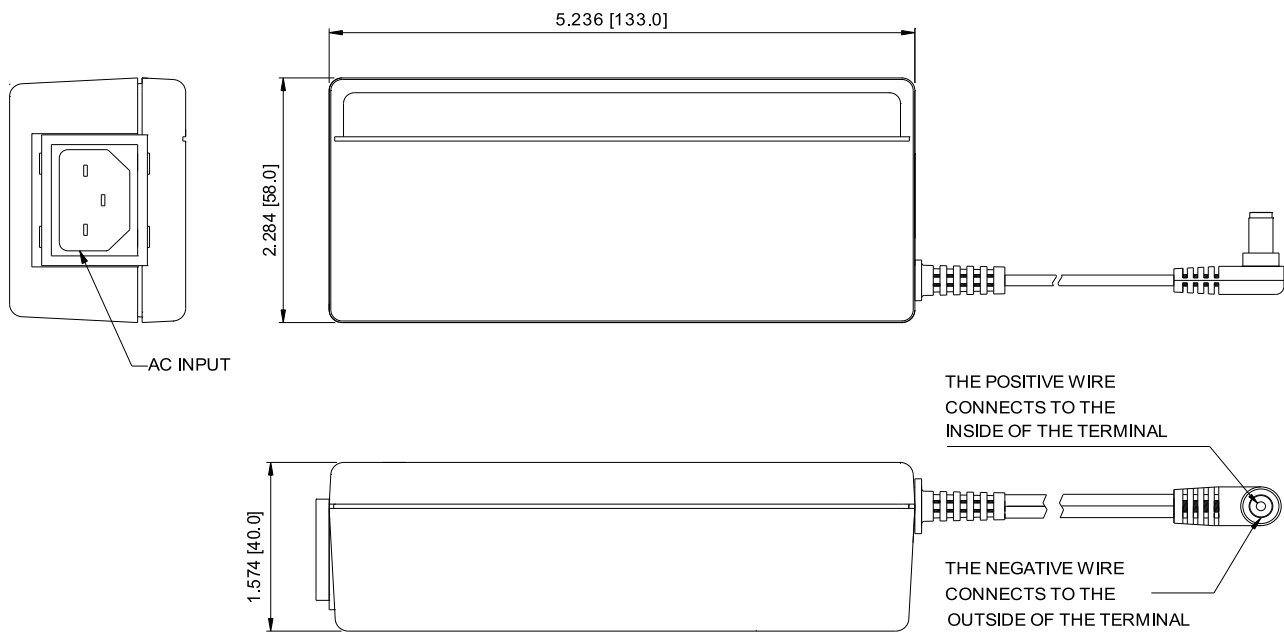
1. Ripple is peak to peak with 20 MHz bandwidth and 10 μ F (Tantalum capacitor) in parallel with a 0.1 μ F capacitor at rated line voltage and load ranges.
2. Specifications are for nominal input voltage, 25°C and max. load unless otherwise stated.
3. Derate output power linearly to 80% from 90 VAC to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

Mechanical Drawing



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