



Features:

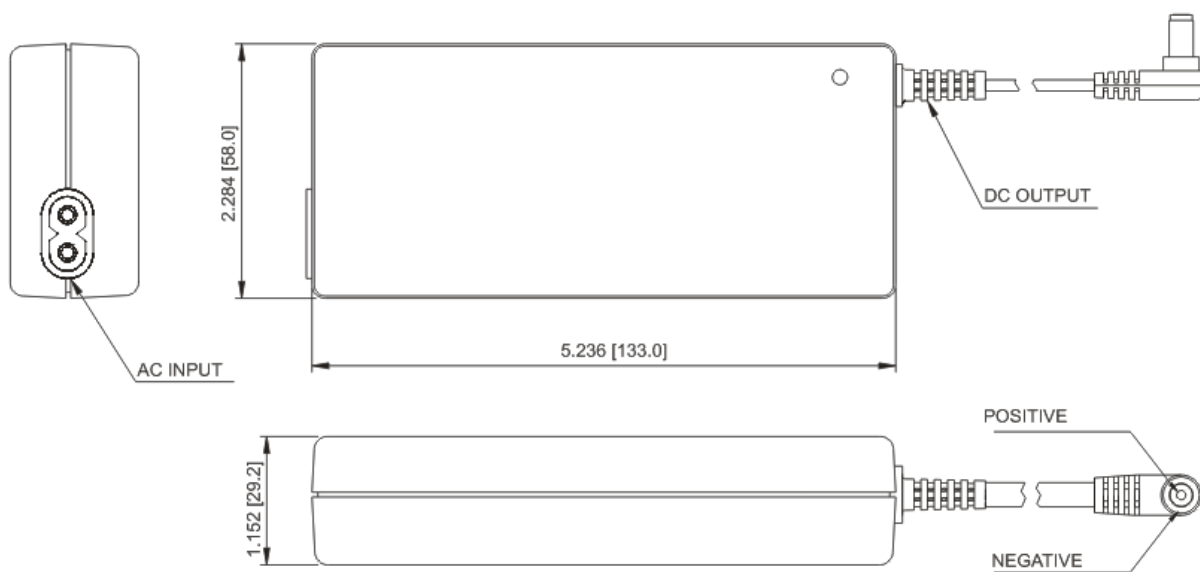
- Universal Input
- Meets Energy Star
- Efficiency upto 87%
- EN55022-B, FCC Part 15 Level B Noise safety approvals
- Class 2 Product
- No load power less than 0.5w

Electrical Specifications

AC Input	90 — 264V
Input Frequency	47 — 63Hz
Input Current	120 VAC: 1.3A max. 230VAC: 0.7A max.
Inrush Current	120VAC: 30A 230VAC: 60A
Leakage current	120 VAC: <120uA 230VAC: <250uA
Efficiency	120VAC: 87% 230VAC: 88%
Hold Up Time	120VAC: 16mS 230VAC: 16mS
Energy Stare Level	Level IV for 12V model; Level V for 15V, 19V, 24V and 48V model
No load input power	< 0.5w
Output Power	55 to 65 W
Line Regulation	+/- 1%. Low line to high line
Load Regulation	+2 % & -5.0%. Min. to full load
Transient Response	< +/- 5% with 10% min load and 25% load step. Recovery time < 5mS
Over Current Protection	110-150%, Auto Recovery
Over Voltage Protection	110-150%, Auto Recovery
Short Circuit Protection	Yes, Short duration, ≤ 1 Minute
Overshoot	<10%
Turn on Delay	<2s
Switching Frequency	Flyback converter: 66.5KHz Typ.
Isolation voltage	Min 4243 VDC/min between input to output
Operating Temperature	0 to 40° C, Full load
Storage Temperature	-40 to +50°C
Relative Humidity	95% max, Rh, Non-condensing
MTBF	> 200K hrs.; 25degC, 230VAC, Bellcore TR332
Cooling	Convection
Rise Time	<100 ms, 10% to 90% load
Set point accuracy	+/- 3%

Model Number	Case Type	Voltage	Max Load	Min Load	Ripple
LFEVC65NS12E	NS	12V	4.58A	0A	120mV
LFEVC65NS15E	NS	15V	4.33A	0A	150mV
LFEVC65NS19E	NS	19V	3.42A	0A	190mV
LFEVC65NS24E	NS	24V	2.71A	0A	240mV
LFEVC65NS48E	NS	48V	1.35A	0A	480mV

Mechanical Drawing



MECHANICAL OUTLINE DIMENSIONS
 ALL DIMENSIONS ARE IN INCH/(MM).
 GEN TOLERANCE : +/-0.02 [+/-0.5]

Notes

1. Ripple is peak to peak with 20Mhz bandwidth and 10uf (Tantalum capacitor) in parallel with a 0.1uf capacitor at rated line voltage and load ranges .
2. Specifications are for nominal input voltage, 25degC unless otherwise stated.

EMC , Safety & Mechanical Specifications

CE Mark	Complies model LVD and EMC Directives
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EMI/EMC

Conducted Emissions	EN55022-B, CISPR22-B, FCC PART15 CLASS-B, EN50082-1
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	EN5022-B, CISPR22-B, FCC PART15-B
Surge Susceptibility	EN61000-4-5, Level-3

Mechanical Specification

AC Input Connector	IEC320 C8
Output Connector	Right angle plug; ID: 2.54mm, OD: 5.54mm, Barrel length: 9.6mm. Centre positive polarity. Cable length 40inch.
Dimensions	5.236 x 2.284 x 1.152 inch (133.0 x 58.0 x 29.2mm)
Weight	300gms

Safety

Safety Standard (s)	EN60950; IEC60950, CSA C22.2 No. 60950, UL60950 (NRTL)
Approval Agency	NEMKO
Safety File Number (s)	NEMKO: P11214632 CCL: NA201110108

