

# LVC36 Series

## Single output 30W to 36W AC/DC External Adapters

EOS brand L-Series external adapters are 80% + efficient power supplies from Red Rocket, Inc. Available in popular output voltages from 12 to 24 volts the L-Series offer excellent efficiency ratings and small footprint for applications where competitive advantage appreciated but cost is king.

L-Series adapters use top switch technology making them slightly less efficient than EOS Z-Series adapters yet very competitive where price is key. EOS adapters are among the top's worldwide in total number of units in operation driving leading brands including Dell, Apple, HP, Zebra Technologies, Bally Gaming, Shuffle master, Swarovski and hundreds more.



### Features :

- > Cost efficient designs
- > Worldwide safety approvals
- > Small case size
- > EN55022-B, FCC Part 15 Level B Noise
- > Class 2 product

Model Number	Case Type	Output Voltage	Output Current	Min. Load
LVC30FS12E	FS	12V	2.5A	0A
LVC30FS15E	FS	15V	2.0A	0A
LVC36FS19E	FS	19V	1.9A	0A
LVC36FS24E	FS	24V	1.5A	0A

INPUT SPECIFICATION		
AC Input	Universal	90 to 264V
Efficiency	Typical	80%
Input Frequency		47-63 Hz
Input Current	Full Load at low line	1.2Arms, max
Inrush Current	High Line , cold start	40A, Max
Leakage Current		<250 $\mu$ A

OUTPUT SPECIFICATIONS		
Output Power		30 to 36w
Minimum Load		0.0A
Hold-Up Time		>10ms
Set Point Accuracy		$\pm 3\%$
Line Regulation	Low line to high line	$\pm 0.5\%$
Load Regulation	Min to Full Load	$\pm 5\%$
Transient Response	10% to full load Voltage Deviation Recovery Time	<3% <1ms
Ripple and Noise	Peak to Peak	<2.0%
Output Rise Time	10% to 90% Load	<25ms
Turn-on Delay		<1s
Overshoot		<5%
OTP		Yes
Overload Protection	Auto Recovery >3s	Yes, Typical 125%
Short Circuit Protection	Auto Recovery >3s	Short Term

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MECHANICAL SPECIFICATIONS	
Input Connector	IEC320-C8
Output Connector	Right angle, hollow coax plug 0.10" (2.54mm) inside and 0.216" (5.49mm) outside diameter. Center positive polarity
Size	3.5 x 1.76 x 0.967" (88.9 x 44.7 x 24.57 mm)
Weight	5oz (150 g)

ENVIRONMENTAL SPECIFICATIONS		
Operating Temperature		0 to 40° C
Storage Temperature		-40 to 85° C
Cooling		Convection
Relative humidity	Non condensing	95%, max
MTBF	Bellcore, TR332	> 100,000 hrs

EMC AND SAFETY SPECIFICATIONS	
CE Mark	Complies with the Low Voltage and EMC Directives
EMC-Emissions	EN5022-B, CISPR22-B, FCC Part 15 Class B, EN50082-1
EMC - Susceptibility	EN61000-4-2, -4, -5 Level 3
Agency Approvals	Class 2 SELV: NEMKO, c-UL, UL
Safety Standards	IEC60950, CSA C22.2 No. 60950, EN60950, UL60950 Class 2 SELV
Safety file numbers	NEMKO: P05205056 UL : E136019

