

LVC55 Series New



Single output 45W to 55W AC/DC External Adapters

- Optimised for low cost
- Small form factor
- Efficiency 80%
- EN55022-B, FCC Part 15 Level B Noise
- World-wide Class 2 safety approvals



Model Number	Case Type	Output Voltage	Output Current	Min Load
LVC45SG12E	SG	12V	3.75A	0A
LVC45SG15E	SG	15V	3.0A	0A
LVC55SG19E	SG	19V	2.9A	0A
LVC55SG24E	SG	24V	2.3A	0A
LVC55SG48E	SG	48V	1.15A	0A

INPUT SPECIFICATIONS

AC Input	Universal	90 to 264V
Efficiency		80%
Input Frequency		47–63 Hz
Input Current	Full load at low line	1.5Arms, max
Inrush Current	High line, cold start	40A, max
Leakage Current		<250µA

EMC AND SAFETY SPECIFICATIONS

CE Mark	Complies with the Low Voltage and EMC Directives	
EMC - Emissions	EN55022-B, CISPR22-B, FCC Part 15 Class B, EN50082-1	
EMC - Susceptibility	EN61000-4-2, -4, -5 Level 3	
Agency Approvals	Class 2 SELV: VDE, UL, c-UL, QAS, PSE, C-Tick, CCC	
Safety Standards	IEC950, CSA C22.2 No. 950, EN60950, UL1950 Class 2 SELV	
Safety File numbers	VDE: 18934-3336 UL: E150565	

ENVIRONMENTAL SPECIFICATIONS

Operating Temperature	0 to 40°C	
Storage Temperature	–40 to 85°C	
Cooling	Convection	
Relative Humidity	Non condensing	95%, max
MTBF	Bellcore	>100,000 hrs

OUTPUT SPECIFICATIONS

Output Power	45 to 55W	
Minimum Load	0.0A	
Hold-Up Time	>10ms	
Set Point Accuracy	<3%	
Line Regulation	Low Line to High Line	<0.5%
Load Regulation	Min to Full Load	<5%
Transient Response	10% to Full Load	<5%
	Voltage Deviation	<5%
	Recovery Time	<5ms
Ripple and Noise	<2.0%	
Output Rise Time	10% to 90% Load	<25ms
Turn-on Delay	<1s	
OTP	Yes	
Overload Protection	Auto Recovery <3s	Yes
Short Circuit Protection	Auto Recovery <3s	Yes

MECHANICAL SPECIFICATIONS

Input Connector	IEC320 C8
Output Connector	Right angle, hollow coax plug 0.10" (2.54mm) inside and 0.21" (5.49mm) outside diameter. Center positive polarity
Size	1.73x4.23x1.12" (43.9x107.4x28.5mm)
Weight	7oz (200g)

