

Charger

Changeable Wall Mount Series



Single Output 36W Data Sheet

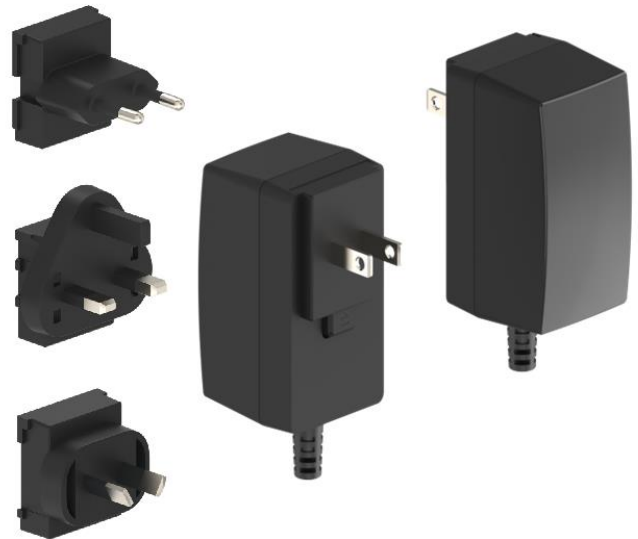
For the latest revision, please visit power.liteon.com

Description

This specification defines the performance characteristics of a 12V/3A, 36-Watt power supply. And it applicable for worldwide safety and electromagnetic compatibility requirements for the power supply.

Features

- * Ultra slim case dimension (L*W*H): 71.5*43.5*44.5mm
- * Support worldwide AC input voltage
- * Meet DoE VI efficiency requirement
- * Full Protections: OVP / OCP / OTP / SCP / OPP
- * No load power saving < 0.1W
- * Compliance with EN/IEC62368-1, EN/IEC60950
- * Operating altitude: 0~5000 meters



Electrical Specification

Model Name	PA-1360-32
Output	
Rated power	36W
Rated voltage	12V
Rated current	3A
Ripple & noise (note #1)	< 240mV
Line & load regulation	< ±5%
Hold-up time	> 5ms
AC turn-on delay	< 3sec.
Input Specification	
Rated voltage range	100V~240VAC / 50~60Hz
Operated voltage range	90V~264VAC / 47~63Hz
Current range	< 0.9A

Inrush current	Shall be less than the rating of adapter critical component (including rectifiers, fuse surge and current limiting device)
Leakage current	< 100uA
Average Efficiency	> 87.403% for 45W, compliance with DoE VI
Protection Function	
Over voltage	< 16V, auto-recovery.
Over current	< 5A, auto-recovery.
Short circuit at O/P	No damage, auto-recovery.
Over temperature	No damage, auto-recovery.
Others	
MTBF	> 400K hours
Environment	
Operating Temperature	0~40°C
Storage Temperature	-20~80°C
Operating Humidity	10~90% RH
Storage Humidity	5~95% RH
Altitude	0~5000 meters
Mechanical	
Dimension	71.5 * 43.5 * 44.5mm
Temperature rise of case	$\Delta T < 52^{\circ}\text{C}$ @ 25°C ambient
Weight	170g
Safety	
Standard	IEC/EN 62368-1, IEC/EN 60950
Withstand voltage	4242VDC
Isolation resistance	>100Mohm @ 500VDC
EMC	
EN55032	Conducted EMI: class B / Radiated EMI: class B
FCC	Conducted EMI: class B / Radiated EMI: class B
EN61000-3-2	Harmonic distortion: The power less than 75W and no limit apply
EN61000-4-2	ESD: $\pm 8\text{KV}$ contact discharge / $\pm 15\text{KV}$ air discharge
EN61000-4-3	Radiated RF immunity: 3V/m
EN61000-4-4	EFT: $\pm 1\text{KV}$ (AC port)
EN61000-4-5	Surge: $\pm 1\text{KV}$ DM / $\pm 2\text{KV}$ CM
EN61000-4-6	Conducted RF immunity: 3V/m
EN61000-4-8	Magnetic field immunity: 1A/m
EN61000-4-11	Voltage dip immunity: 100% dips : 10ms, Criteria B

	100% dips : 20ms, Criteria B 60% dips : 200ms, Criteria C 30% dips : 500ms, Criteria C 20% dips : 5000ms, Criteria C
--	---

Notes

#1: Ripple noise is measured with output added 0.1uF MLCC and 47uF low ESR electrolytic capacitor.

Typical Performance Characteristics

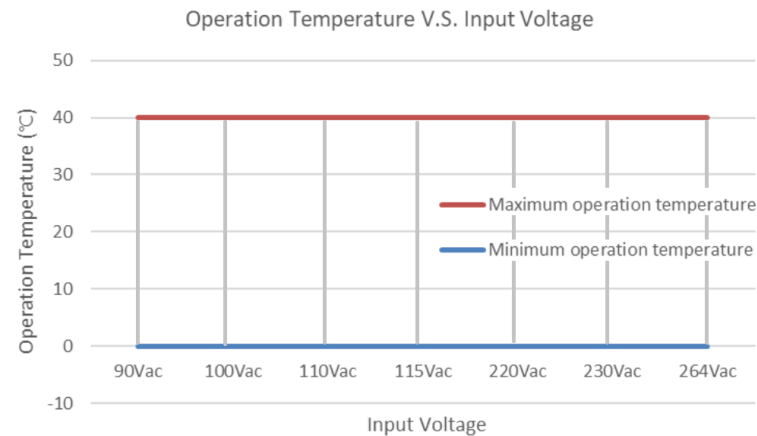


Figure.1

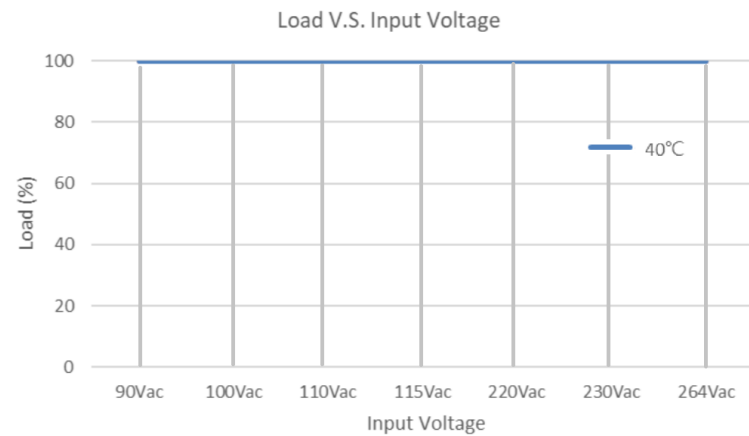


Figure.2