



MEAN WELL

SWITCHING POWER SUPPLY

ISO-9001 CERTIFIED MANUFACTURER

L60A

SINGLE

SERIES

- .FULL RANGE AC INPUT
- .COMPACT SIZE, LIGHT WEIGHT
- .BUILD IN EMI FILTER
- .FULLY ENCLOSED PLASTIC CASE
- .PWM CONTROL CIRCUIT
- .100% FULL LOAD BURN-IN TEST
- .DC OUTPUT PLUG OPTION
- .APPROVALS:UL/CUL/TUV/FI/D/NS/T-MARK/FCC/CE
- .NO LOAD INPUT POWER <=2W
- .LOW COST, HIGH RELIABILITY
- .SHORT CIRCUIT PROTECTION
- .OVER LOAD PROTECTION
- .OVER VOLTAGE PROTECTION
- .1 YEAR WARRANTY



ORDER NO.		L60A05-yyy	L60A12-yyy	L60A19-yyy	L60A20-yyy	L60A24-yyy
SPECIFICATION						
SAFETY MODEL NO.		LAD6019A55	LAD6019AB5	LAD6019AKW	LAD6019AG3	LAD6019AE2
DC OUTPUT VOLTAGE		5V	12V	19V	20V	24V
OUTPUT V. TOLERANCE		±5%	±3%	±3%	±3%	±3%
OUTPUT RATED CURRENT		5.0A	5.0A	3.6A	3.2A	2.0A
OUTPUT CURRENT RANGE		0.5-5.0A	0.5-5.0A	0.4-3.6A	0.3-3.2A	0.2-2.0A
RIPPLE & NOISE		100mVp-p	120mVp-p	200mVp-p	200mVp-p	240mVp-p
LINE REGULATION		±1%	±1%	±1%	±1%	±1%
LOAD REGULATION		±5%	±3%	±3%	±3%	±3%
OUTPUT POWER	NORMAL LOAD	20W	42W	42W	42W	42W
	MAX. LOAD	25W	60W	68.4W	64W	48W
EFFICIENCY		70%	78%	82%	80%	80%
DC VOLTAGE ADJ.		FIXED				
INPUT VOLTAGE RANGE		90-264VAC 47-63Hz				
AC CURRENT		1.5A @115VAC 0.75A @230VAC				
INRUSH CURRENT		COLD START < 50A PEAK @230VAC				
LEAKAGE CURRENT		<0.75mA @240VAC				
OVERLOAD PROTECTION		HICCUP MODE, RESET:AUTO RECOVERY				
OVER VOLTAGE PROTECTION		YES, CLAMP BY ZENER PROTECTION				
TEMP. COEFFICIENT		±0.03% / °C (0-50°C) @115VAC INPUT				
SETUP, RISE, HOLD UP TIME		800ms, 50ms, 8ms @115VAC INPUT				
VIBRATION		10-500Hz, 2G 10min./1cycle, PERIOD FOR 60min. EACH AXES				
WITHSTAND VOLTAGE		I/P-O/P:3KVAC 1min. I/P-FG:1.5KVAC 1min.				
ISOLATION RESISTANCE		I/P-O/P: 100M Ohms min. I/P-FG:100M Ohms min@500VDC				
WORKING TEMP., HUMIDITY		0°C~+40°C @ 100% NORMAL LOAD, 50°C @ 60% LOAD, 20%-90% RH				
STORAGE TEMP., HUMIDITY		-20°C~+85°C, 10%-95% RH				
DIMENSION		110*62*29.5mm (L*W*H)				
WEIGHT: Q'TY/CARTON		300g; 40PCS/CARTON				
SAFETY STANDARDS		UL1950, CSA22.2, IEC60950				
EMC STANDARDS		FCC, PART 15, CLASS B, CISPR22 CLASS B, EN61000-4-2,3,4,5,6,11, EN61000-3-2,3, ENV50204				
LENGTH OF OUTPUT CABLE		STANDARD CABLE:180cm OF AWM1185, 18AWG*2C WITH BEAD CORE(OPTION)				
PLUG OF DC OUTPUT		STANDARD PLUG P1J:2.1c*5.5c*11mm,TURNING FORK TYPE, CENTER POSITIVE (yyy:OUTPUT CABLE AND CONNECTOR,TO BE DEFINED BY CUSTOMER)				

- NOTE :
1. ALL PARAMETERS ARE SPECIFIED AT 230VAC INPUT, RATED LOAD, 25°C 70% RH. AMBIENT.
 2. TOLERANCE : INCLUDE SET UP TOLERANCE, LINE REGULATION, LOAD REGULATION.
 3. RIPPLE & NOISE ARE MEASURED AT 20MHz BY USING A 12" TWISTED PAIR TERMINATED WITH A 0.1uF & 47uF CAPACITOR.
 4. LINE REGULATION IS MEASURED FROM LOW LINE TO HIGH LINE AT RATED LOAD.
 5. LOAD REGULATION IS MEASURED FROM 0% TO 100% RATED LOAD.

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