

60Watt, Four Output Switching Power Supply

FEATURES:

- Universal Input 90~264VAC
- Efficiency at 86% TYP
- Protection: Short Circuit /Over current/Over voltage/over temperature
- Power Factor Correction
- Internal Input Filter
- IP67 design for indoor or outdoor installations
- Application: Suitable for LED lighting and moving sign applications
- 2 Years Warranty ● ROHS Compliant

LG A 060 - F 42
A B C D E

A: Series
B: Package
C: Output Watt
D: Four Output
E: Output Voltage

Specifications typical at TA=25°C, nominal input voltage and rated output current unless otherwise specified

Part Number	Output Wattage	Output Voltage	Constant Current Region	Output Current	Efficiency
	(W)	(V)	(V)	(mA)	%(TYP)
LGA060-F42	14.7	Vo1=+42.0	36-42	350 ± 30	86
	14.7	Vo2=+42.0	36-42	350 ± 30	
	14.7	Vo3=+42.0	36-42	350 ± 30	
	14.7	Vo4=+42.0	36-42	350 ± 30	

Input Specifications

Parameters	Conditions	Min	Typ	Max	Units
Rated input voltage	Vo,lo nom		100-240		Vac
Voltage Range	Vo,lo nom	90		264	Vac
Frequency		47	50/60	63	Hz
Input Current	Vo,lo nom			1.0	A
Inrush Current	At 100Vac			30	A
	At 240Vac			60	A
Input Fuse	VDE/UL/CCC FUSE 2.5A/250V(Slow Blow)				
Power Factor	PF> 0.98/ 100Vac PF> 0.93/ 240Vac at full load				

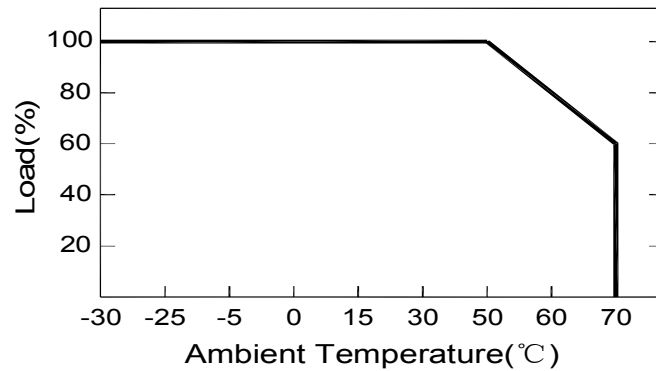
Output Specifications

Parameters	Conditions		Min	Typ	Max	Units
Output Voltage Accuracy	Vi nom,lo nom	Vo			±3	%
Line Regulation	lo nom,Vi min...Vi max			±1		%
Load Regulation	Vi nom, lo min...lo nom	Vo		±2		%
Protection	Over Current		380mA MAX			
			Protection type: Recovers automatically after fault condition is removed			
	Over Voltage		110%-135% rated output Voltage			
			Protection type: Shut off o/p voltage, re-power on to recover			
Short circuit		Recovers automatically after fault condition is removed				

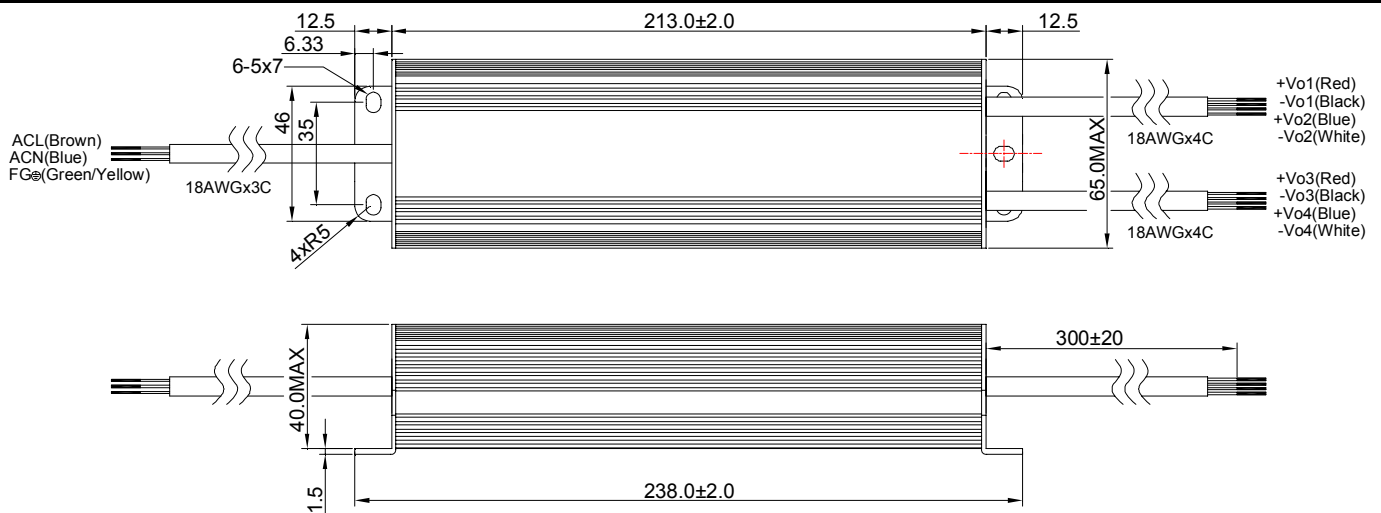
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General Specifications					
Parameters	Conditions	Min	Typ	Max	Units
EMI Conduction&Radiation	Design refer to EN55015, EN55022 (CISPR22) Class B				
Harmonic Current	Design refer to EN61000-3-2 Class C; EN61000-3-3				
EMS Immunity	Design refer to EN61000-4-2,3,4,5,6,8,11; EN61547, EN55024, light industry level (surge 4KV), criteria A				
Safety Standards	Design refer to EN60950-1, EN61347-1, EN61347-2-13,IP67				
Isolation Voltage	Input / Output	3KVac/ 5mA/5Secs			
Isolation Resistance	I/P-O/P 500Vdc/25°C/70%RH	100			MΩ
Operating Temperature	Operating at Vi nom, Io nom	-30		+70	°C
Derating	Vi nom, Io nom+51 to 71°C			2	%/°C
Storage Temperature	Non Operational	-45		+85	°C
Relative Humidity	Vi nom, Io nom			95	% RH
Dimension	L213.0 x W65.0 x H40.0				mm
Cooling	Free air convection				

Temperature Derating Graph



Markings and dimensions



UNIT: mm Unless otherwise specified, all tolerances are ±0.50