



FEATURES:

- AC-DC Constant Current LED Driver
- Universal Input: 90-265VAC, 47-63Hz
- Short circuit protection
- RoHS compliant
- Waterproof IP67 case
- Over current protection
- Over voltage protection
- Low output ripple



Models
Single output

Model	Max Output Power (W)	Output Voltage Range (V)	Output Current (mA)	Input Voltage (VAC/Hz)	Efficiency (%)
AMEGR25-3670KZ	25.2	16-36	700 ±30	90-265/ 47-63	80
AMEGR34-4870KZ	33.6	25-48	700 ±30	90-265/ 47-63	80

NOTE: All specifications in this datasheet are measured at an ambient temperature of 25°C, humidity<75%, nominal input voltage and at rated output load unless otherwise specified.

Input Specifications

Parameters	Conditions	Typical	Maximum	Units
Voltage range		90-265		VAC
Inrush current <2ms	115V		10	A
	230V		20	
Leakage current	230V	0.25		mA
AC current	115V		0.14	A
	230V		0.12	
No-load consumption			2	W
External fuse			250V/2.5A	

Output Specifications

Parameters	Conditions	Typical	Maximum	Units
Current accuracy		±5		%
Line regulation		±5		%
Load regulation		±10		%
Ripple & Noise		100		mV p-p
Hold-up time (min)		4	8	ms

Isolation Specifications

Parameters	Conditions	Typical	Maximum	Units
Tested I/O voltage	5mA/60Sec	3000		VAC
Input FG		1500		VAC
Isolation resistance		>50		MΩ

General Specifications

Parameters	Conditions	Typical	Maximum	Units
Switching frequency		100		KHz
Over current protection		115		%
Over voltage protection		Zener Diode clamp		
Short circuit protection		Continuous		
Short Circuit restart		Auto-Recovery		
Operating temperature		-40 to +55		°C
Maximum case temperature			95	°C

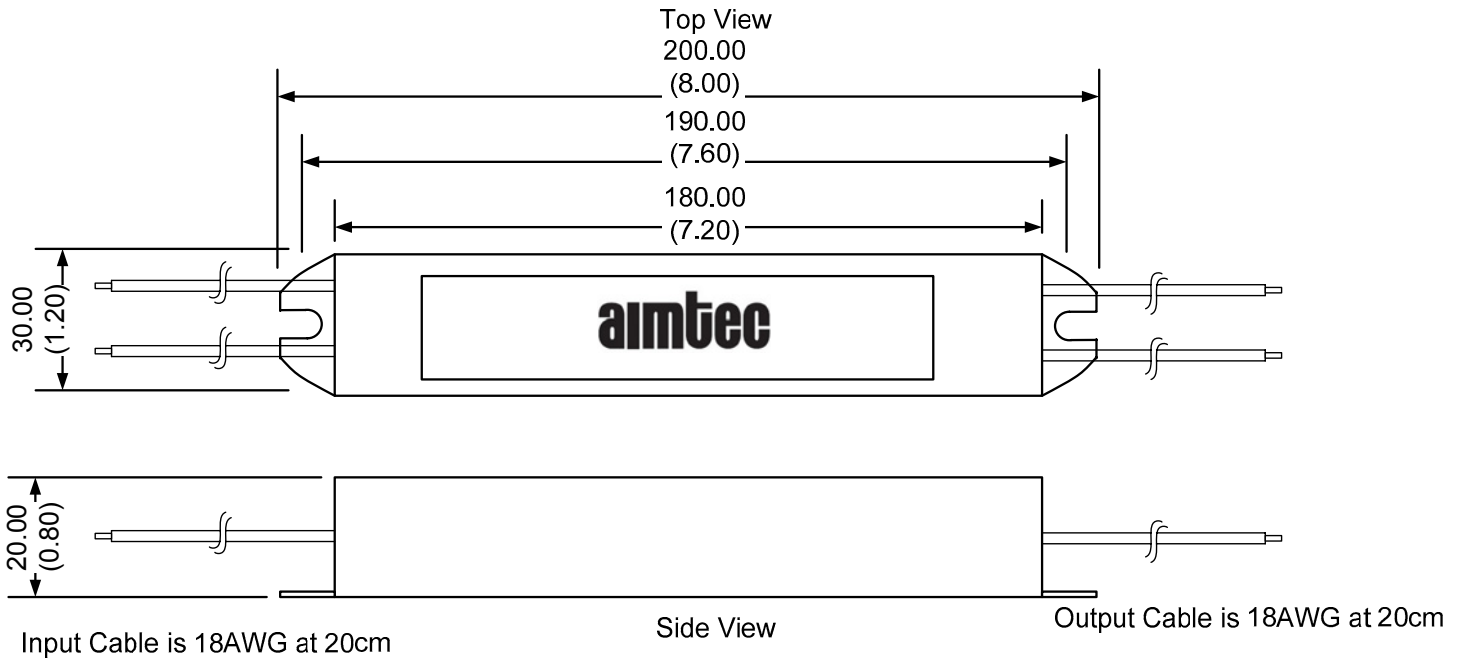
General Specifications (continued)

Parameters	Conditions	Typical	Maximum	Units
Storage temperature		-40 to +80		°C
Temperature coefficient		0.05		% / °C
Cooling	Free Air Convection			
Humidity			95	% RH
Case material	Aluminum			
Weight		240		g
Dimensions (L X H X W)		8.00 x 1.20 x 0.80 inches	200.00 x 30.00 x 20.00 mm	
MTBF		50,000 hrs (MIL-HDBK-217 F at +25 °C)		

Safety Specifications

Parameters	
Agency approvals	CE
Standards	GB195110.1-2004/IEC61347-1:2003, EN55015, EN61000, EN61547

Dimensions



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