

Model: VZ-GS35P Series / LED Driver

Approvals : IP67 LPS FCC CE

Features:

Size : 163 \* 45 \* 33 mm (L\*W\*H)

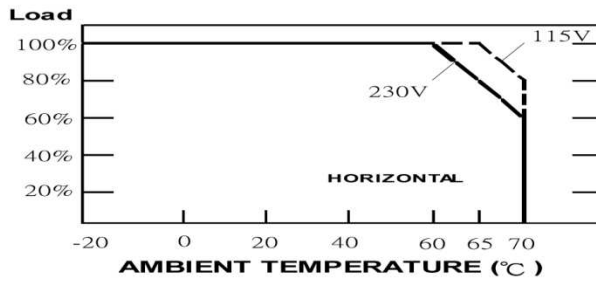
- \* Universal AC input 90~264Vac.
- \* Class 2 Power Supply Unit.
- \* Constant Current Operation.
- \* Withstand 277Vac surge input for 10 seconds.
- \* Built-in ACTIVE PFC Function.
- \* Protections: OVP / OCP / SCP / OTP.
- \* Fully Insulated Case with IP67 Level.
- \* Cooling by free air convection.
- \* Optional Dimming Type : VZ-GS35P-30
- : A for PWM/DC Dimming.



Specifications:

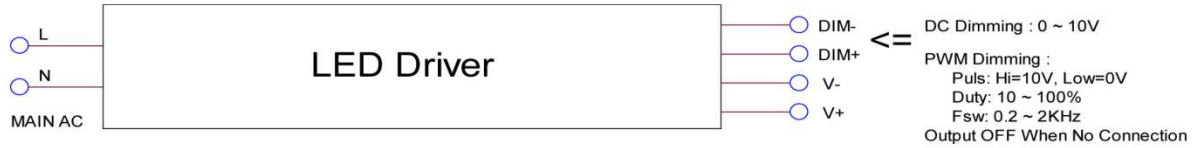
Model No.		VZ-GS35P-30	VZ-GS35P-48	VZ-GS35P-42A
Output	DC Voltage Range	5 ~ 30V	5 ~ 48V	5 ~ 42V
	Rated Current	1050mA	700mA	
	Current Tolerance	+10%, -10%	+10%, -10%	
	Max. Power	31.5W	33.6W	29.4W
	Ripple&Noise(Max.) <small>Note.2</small>	3Vp-p	4Vp-p	
	Efficiency at 115Vac(Typ.)	86%	87%	84%
	Dimming Control	No	No	Yes
	Voltage Tolerance <small>Note.3</small>	+5% , -5%		
Set up time (Max.)	1 sec. / 230Vac, 2 sec. / 115Vac, at full load.			
Input	Voltage Range	90 - 264 Vac or 127 ~ 370Vdc		
	Frequency Range	47 Hz ~ 63 Hz		
	AC Current (Max.)	0.4A at 115Vac / 0.25A at 230Vac		
	Power Factor	>0.95 at 115 Vac / >0.85 at 230Vac with full load.		
	Inrush Current (Max.)	60A at 230 Vac		
	Leakage Current	<0.5mA / 240 Vac		
Protections	Over Current	90~110% rated current. Type: Current limit and recovers after fault condition disappeared.		
	Short Circuit	Type: Constant current limit and recovers after fault condition disappeared.		
	Over Voltage	35 ~ 42V	52 ~ 60V	48 ~ 56V
	Over Temperature	Tcase: 95°C±10%		
		Type: Auto-recovery Mode.		
Environment	Operation Temp.	-20°C~70°C (Refer to output load derating curve)		
	Operation Humidity	20% ~ 90% RH non-condensing.		
	Storage Temp.	-40 ~ +80°C		
	Storage Humidity	10% ~ 90% RH		
	Vibration	10-500 Hz, 2G 10 min./1 cycle, period for 60 min. each along X, Y, Z axes.		
Safety & EMC	Safety Standards	EN61347-1, EN61347-2-13 , IP67 Approved.		
	Withstand Voltage	I/P - O/P: 3.75K VAC		
	Isolation Resistance	I/P-O/P:100M ohms / 500VDC at 25 °C		
	EMI Conduction & Radiation	Compliance to EN55015		
	Harmonic Current	Compliance to EN61000-3-2 Class C, EN61000-3-3		
	EMS Immunity	Compliance to EN61000-4-2, 3, 4, 5, 6, 8, 11 Light industry level, criteria A		
Others	MTBF	370K hours min. MIL-HDBK-217F(25°C)		
	Dimension(L*W*H)	163 * 45 * 33 mm		
	Packing(L*W*H)/Carton	590 * 224 * 150 mm		
	Weight	0.37 Kg		
Note	<p>1. All specifications not specially mentioned are measured at 115Vac and 25 °C ambient temperature.</p> <p>2. Ripple &amp; Noise are measured at 20MHz bandwidth with 0.1uf ceramic &amp; 47uf electrolytic capacitors in parallel.</p> <p>3. Voltage Tolerance: includes line regulation, load regulation and set-up tolerance.</p>			

## Derating Curve



## Block Diagram

Type A



## Mechanical Specification

