



Dimension:167×48×28mm

**Features :**

- Universal AC input range
- Slim type, Small volume, low weight, high efficiency
- Protections : short circuit/over load
- Cooling by free air convection
- LED indicator for power on
- 100% full load burn-in test
- No load consumption<0.8W
- 2 Years warranty



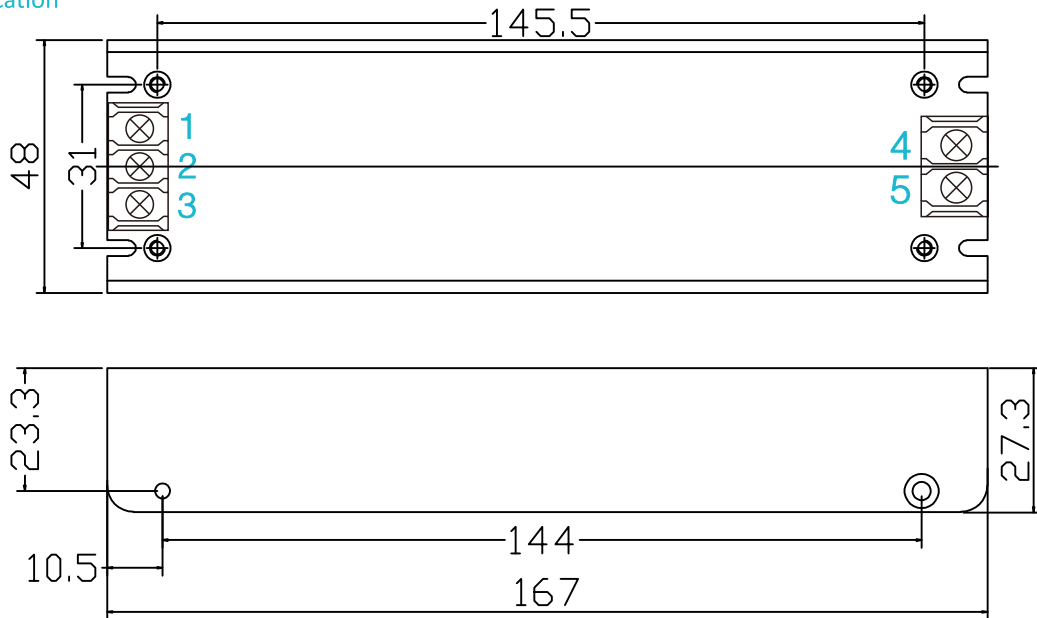
**SPECIFICATION**

Model		US-100-12	US-100-24
Output	DC voltage	12V	24V
	Voltage tolerance	± 2%	± 2%
	Rated current	8.3A	4.2A
	Current range	0 ~ 8.3A	0 ~ 4.2A
	Rated power	99.6W	100.8W
	Ripple&noise	150mVp-p	180mVp-p
	DC voltage ADJ. range	± 10%	± 10%
Setup, rise, hold up time		800ms,30ms,24ms/230VAC, 1200ms,30ms,20ms/115VAC	
Input	Voltage range	90 ~ 264VAC 47 ~ 63Hz, 135 ~ 373VDC	
	AC current	2.0A/115VAC 1.0/230VAC	
	Efficiency	86%	88%
	Inrush current	Cold start45A/230VAC	
	leakage current	< 2.0mA/240VAC	
Protection	Overload	Rated output power110% ~ 150%Start overload protection	
		Protection type: hiccup mode, auto-recovery after fault condition is removed	
Environment	Working temp, humidity	-20°C ~ +50°C;20% ~ 90%RH(Please refer to "derating curve" )	
	Storage temp, humidity	-40°C ~ +85°C;10% ~ 95%RH Non-condensing	
	Withstand vibration	10 ~ 500Hz, 5G 10min./1Cycle, Period for 60min, Each axes	
Safety	Withstand voltage	I/P-O/P: 1.5KVAC I/P-FG: 1.5KVAC O/P-FG: 0.5KVAC	
	Isolation resistance	I/P-O/P: I/P-FG,O/P-FG: 100M Ohms/500VDC/25°C/70%RH	
Fit standard	Safety standard	Compliance to UL 62368-1,TUV 62368-1,EN 62368-1	
	EMC Standard	Compliance to EN 55032(CISPR22), EN61000-3-2,CLASSA	
Others	Dimension	167*48*28mm ( L*W*H )	
	Weight	0.3kg/60pcs/17.8kg/0.025m³/0.88CUFT	
	MTBF	290K hrs min. MIL-HDBK-217F(25°C)	

Note: 1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.  
 2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor.  
 3. Tolerance : includes set up tolerance, line regulation and load regulation.

**Mechanical specification**

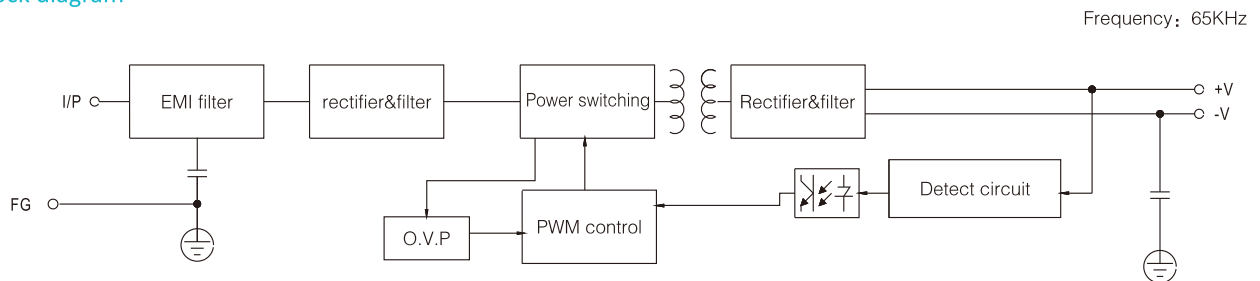
Unit:mm



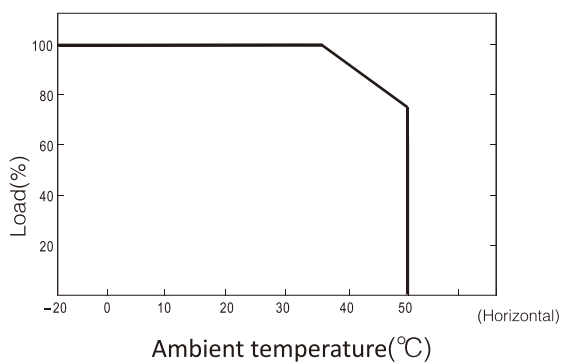
**Terminal Pin No.Assignment**

Pin No.	Assignment	Pin No.	Assignment
1	FG $\perp$	4	DC OUTPUT +V
2	AC/N	5	DC OUTPUT -V
3	AC/L		

**Block diagram**



**Derating curve**



**Static characteristic**

