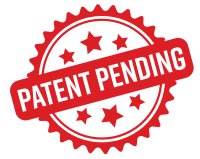


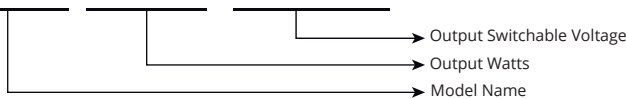
Z-PW-120W-12/24V

Feature

- Meet U.S.,Canada standard
- Automatically detects 12V or 24V LED loads and adjusts output accordingly
- Universal input range:100-277Vac
- short circuit,over voltage and overload protection
- Suitable for dry,damp,wet locations
- UL/cUL,Class 2
- 5 years warranty
- Applied to LED advertising signs,cabinet
- Minimum load $\geq 5\%$ is required under 12V operation
- Dimmers and controllers are not supported under 12V load



Z-PW-120W-12/24V



Class 2



Technical Specs

Z-PW-120W-12/24V		
OUTPUT		
Output Voltage	12Vdc	24Vdc
Output Voltage Range	12Vdc±5%Vdc	24Vdc±5%VDC
Output Current	5A*2 Max	2.5A*2 Max
Output Power	120W	
Output Ripple & Noise	≤400mV	
INPUT		
Input Voltage Range	100Vac-277Vac	
Input Frequency Range	50 ~ 60HZ	
Input Current	≤2.5A(120Vac)	
Surge Current (cold start)	75A @230Vac	
Power Efficiency (TYP)	88%(120Vac)	
Leakage Current	<0.75mA/277Vac	
PROTECTION		
Over-Current Protection	Shut down the output when current load ≥ 110% ,and recover automatically	
Short-Circuit Protection	Hiccup Mode,and recover automatically	
Over-Voltage Protection	Shut down the output when non-load voltage≥ 13V, and recover automatically	Shut down the output when non-load voltage≥ 26V, and recover automatically
ENVIRONMENT		
Working Temperature	-30℃~+60℃ (See below derating curve)	
Working Humidity	10%~95%RH	
Approved Enviroments location	For dry,damp,wet locations	
Storage Temperature	~35℃~+65℃	
Storage Humidity	10%~95%RH	
IP Rating	IP67(note 1)	
Vibration	10~500Hz, 1.0mm, 15 minutes(for X- Y- Z each axis)	
Tcase	+90℃	
SAFETY&EMC		
Safety Standard	Design refer to UL8750,CSA C22.2 NO. 250.13,CSA C22.2 NO.207-15	
	Design refer to EN61347-1,EN61347-2-13,EN62493	
Dielectric Strength (Hi-Pot)	I/P-O/P	1.8KVAC/5mA/1min
	I/P-Case	1.8KVAC/5mA/1min
Insulation Resistance	100MΩ / 500VDC/1min	
Grounding Resistance	≤0.5Ω	
EFT	2kv on AC power line	
Surge	2kv(L-N) 4kv(L-GND, N-GND) (IEC61000-4-5)	
OTHERS		
MTBF	200Khrs.MIL-HDBK-217F(25℃)	
LIFE TIME	50,000 hours at Tc ≤ 80℃ maximum case hot spot temperature	
Dimensions	8.23" *2.84" *0.93" (L*W*H) : 209*72*23.6mm(L*W*H)	
Weight	0.6 kg	
Outer Box Specifications	21.06" *10.43" *6.10" (L*W*H); 535*265*155mm(L*W*H)/30pcs/ctn	
	Total 5 layer,each laver 6pcs/G.W18.5kg/N.W17.5kg(1+10%)	

Remarks:

Note 1: IP67 can be used in dry, damp, wet locations. Avoid installing in submerged environments or applications where drivers will come into direct contact with prolonged flowing or dipping water.

Test environment temperature : $25 \pm 2^{\circ}\text{C}$;

Ripple and noise measurement methods: terminal to parallel 47 μF electrolytic capacity and 0.1 μF ceramic capacity, in 20 MHz Bandwidth measurement.

"The driver is suitable for connecting resistor current-limiting LED fixture (e.g. LED strip). The inrush current will be dozens of times increased if connecting built-in constant current IC current-limiting LED fixtures, the driver will activate the overloaded protection (hiccups flickering)."

