

Ultra slim type 60W , 100-277VAC constant voltage LED driver

Features:

- Output constant voltage
- Input voltage range 100-277VAC
- UL/ cUL listed, Class 2, Class P, Type HL, CE, ROHS approval
- Built-in PFC function / Efficiency > 83% / PF> 0.99
- Protections: short circuit/over voltage/over heat
- IP20 design for indoor dry environment installations
- Cooling by free air convection
- Full protection aluminum housing, for dry, damp, wet location
- Suitable for LED lighting and moving sign applications
- Compliance to worldwide safety regulations for lighting
- 7 years warranty



Specification

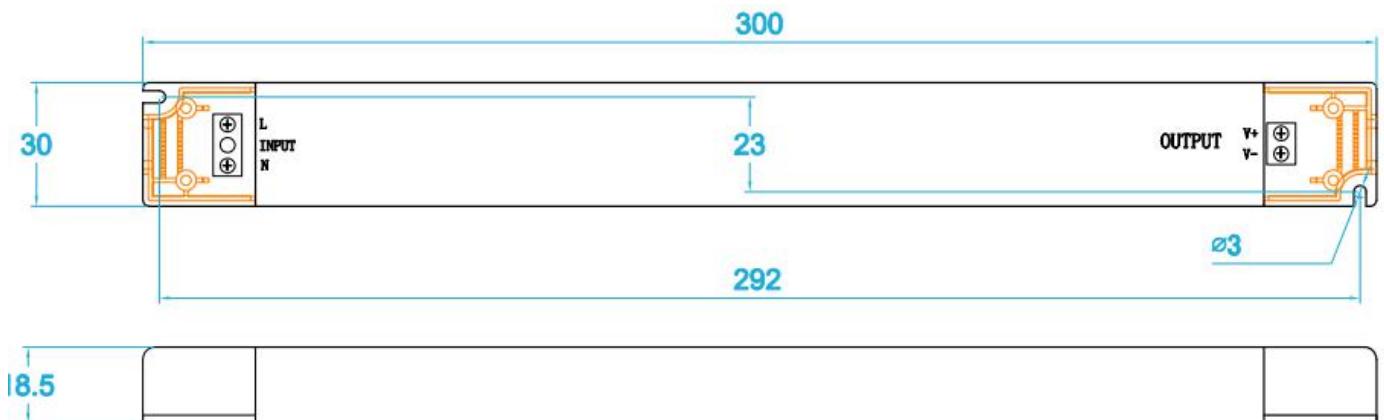


CE IP20 Class2 ClassP

model		SMT-012-060VWSP	SMT-024-060VWSP
Output	DC Voltage	12V	24V
	Rated Current	5A	2.5A
	Rated Power	60W	
	Voltage Tolerance	±0.5V	
	Voltage Regulation	±0.5%	
	Load Regulation	±1%	
Input	Voltage Range	100-277VAC	
	Frequency Range	47-63Hz	
	Power Factor (Typ.) @ full load	0.99@120VAC 0.95@277VAC	0.99@120VAC 0.95@277VAC
	THD (Typ.) @ full load	120V<10%; 277V<15%	
	Efficiency (Typ.) @ full load	120V 84%; 277V 86%	120V 83%; 277V 85%
	AC Current (Max.)	0.9A@100VAC	
	Inrush Current (Typ.)	120V--11A, 50%, 1ms ; 277V--27A, 50%, 1.08ms	
	Leakage current	<0.50mA	
Protection	Short Circuit	shut down o/p voltage, re-power on to recover after fault condition is removed	
	Over Loading	≤120% Hiccup mode, recovers automatically after fault condition is removed.	
	Over temperature	100°C±10°C shut down o/p voltage, automatically recover after cooling.	
Environment	Working TEMP.	-40~+60°C (see below derating curve)	
	Working Humidity	20~90%RH, non-condensing	
	Storage TEMP. Humidity	-40~+80°C, 10~95%RH	
	TEMP .coefficient	±0.03%/°C (0~50°C)	
	Vibration	10~500Hz, 5G 10min./1 cycle, period for 60min. each along X,Y,Z axes	
Safety&EMC	Safety standards	UL8750+UL1310, CAN/CSA-C22.2 No.250.13	
	Withstand voltage	I/P-O/P:1.88KVac	
	Isolation resistance	I/P-O/P:100MΩ/500VDC/25°C/70%RH	
	EMC EMISSION	FCC 47 CRF Part 15, Subpart B	

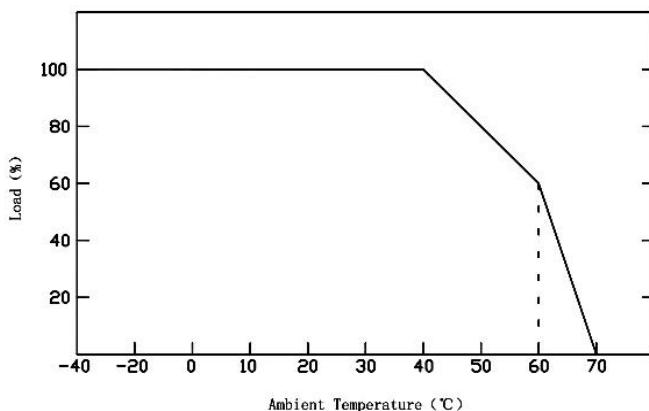
Others	Weight	0.45Kg
	Size	300*30*18.5mm (L*W*H)
	packing	330*270*160mm / 30pcs /CTN
Notes	<ol style="list-style-type: none"> 1. All parameters if NOT specially mentioned are measured at 120VAC input , rated load and 25°C of ambient temperature. 2. To extend the driver's using life ,please reduce the loading at lower input voltage. 	

■ Mechanical Specification



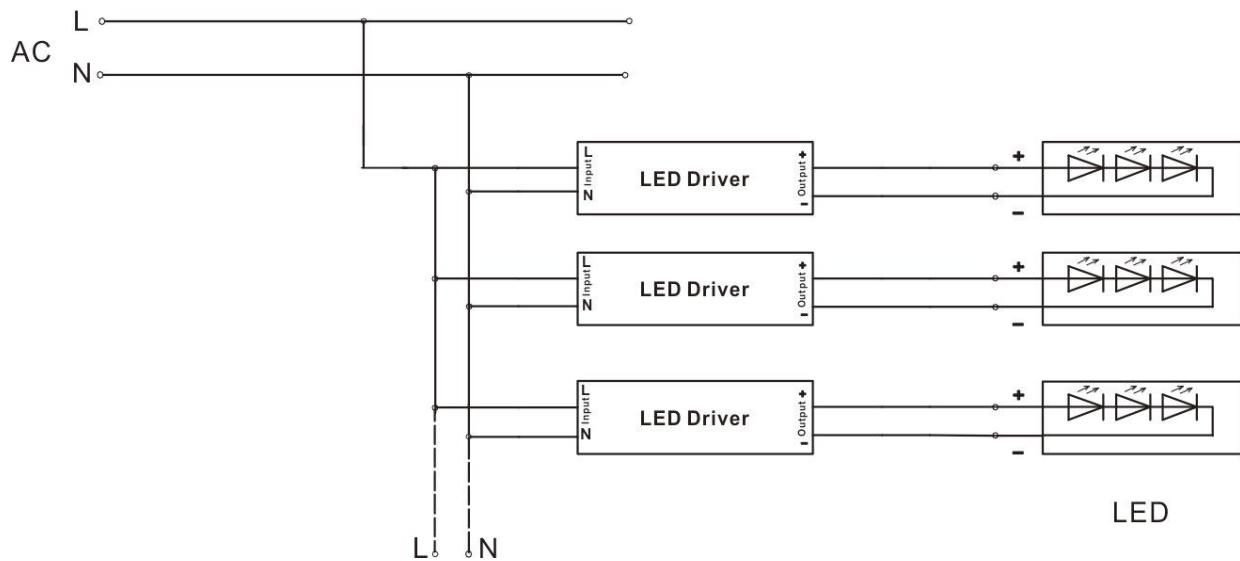
- ❖ Input:18AWG Black and White to be connected to AC L and N ,Green wire go ground,
- ❖ Output: Red is (Positive side +) ,Black is (Negative side -)

■Derating Curve



- Load carried in accordance with the load derating curve, according to the ambient temperature derating, in order to extend the service life

■Connecting Diagram



■ Simple Connection Diagram



■ Instruction:

- ※ This driver should be installed by qualified and professional person;
- ※ Please make sure the driver is installed with adequate ventilation around it to allow for heat dissipation.
- ※ Ensure that wiring is correct before test in order to avoid light and power supply damage;
- ※ If the LED drivers do not work normally, pl. don't maintain privately, but contact us:

sales1@smartselectronics.com Or take a phonecall: 0086-595-22863721ext. 808