

50W ~ 120W Current Adjustable Output LED Driver

FEATURES

- High Efficiency (up to 87%)
- Build-in Active PFC (Typical 0.99)
- Current Adjustable
- All-Round Protection: OVP, SCP, OTP



WEB-SW SERIES SPECIFICATIONS

Model	Output Current (±5%) (A)	Output Voltage (V)	Efficiency		PF		No Load Output Voltage (±5%) (V)	Ripple & Noise (V)
			110V Input	220V Input	110V Input	220V Input		
WEB050-120-xxxxSW	2.0 ~ 3.5	22 ~ 36	85%	87%	0.99	0.96	43	0.70

- NOTE:**
1. All specifications are typical at 25°C unless otherwise stated.
 2. The “Efficiency” & “PF” values are measured at full load, after the unit is thermally stabilized, otherwise they will be lower about 1%.
 3. The “Ripple & Noise” values are measured by 20MHz bandwidth oscilloscope and the output paralleled a 0.1uF ceramic capacitor and a 10uF electrolytic capacitor.

ELECTRICAL SPECIFICATIONS

	Parameter	Values	Conditions
INPUT	AC Voltage	90~305 Vac	Operating Voltage
	Frequency Range	47 ~ 63 Hz	
	AC Current (110V input)	1.28 A	Full load
	AC Current (220V input)	0.63 A	
	Inrush Current	65 A	Cold start, Vin=230V
	Leakage Current	0.75 mA	Vin=277V, 50Hz
OUTPUT	Top Output Power	50 ~ 120 W.	
	Set-up Delay Time	0.8 ~ 1.2 s	
	Line Regulation	1%	
	Load Regulation	3%	

PROTECT	Over Voltage Protect	1.3 Vo	±5% floating deviation
		Latch mode. The power supply shall return to normal operation only after the power is turn-on again.	
	Short Circuit Protect	No damage shall occur when any output operating in a short circuit condition. The power supply shall be self-recovery when the fault condition is removed.	
	Over Temperature Protect	110°C	

NOTE: 1. All specifications except “OTP” are measured at 25°C.

SAFETY & EMC COMPLIANCE

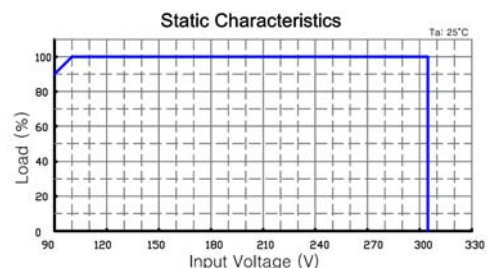
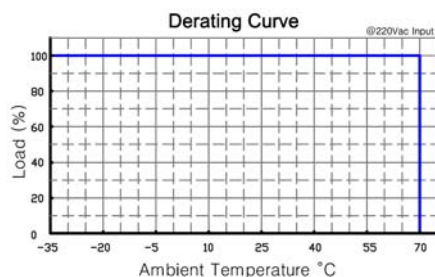
Parameter	Standards
Safety CE	EN61347-1, EN61347-2-13
EMI	EN55015
EMS	EN61000-3-2, EN61000-3-3, EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6, EN61000-4-8, EN61000-4-11, EN61547

PRODUCTS INFORMATION

Parameter	Values
Working Temp., Humidity	-35°C ~ +70°C; 10 ~ 100% RH non-condensing
Storage Temp., Humidity	-40°C ~ +85°C; 5 ~ 100% RH
MTBF	314,000 hours
Life Time	105,000 hours
Dimension(L*W*H)	5.71(6.30)*3.07*1.38 inch
	145.0(160.0)*78.0*35.0 mm
Net Weight	TBD

APPLICATION NOTES

I DERATING CHARACTER



MECHANICAL SPECIFICATIONS

