



Features:

- Input Voltage Range : 90~ 305V
- AC Inrush Current : <50A, 230 V Cold start
- Power Factor : >0.95, 100V ; >0.90, 230V (min.)
- Dimming Type: 1 channel PWM 3.3V dimming (w/ BLE dongle)
- Protections : SCP, OVP, OTP
- Operating Temp. : -40°C ~ +70 °C
- Safety: MEET ENEC, CCC, UL, TÜV, PSE, CNS
- EMC: MEET CE, FCC, VCCI
- Lifetime : 60,000 hrs , Ta=30 °C

SPECIFICATION

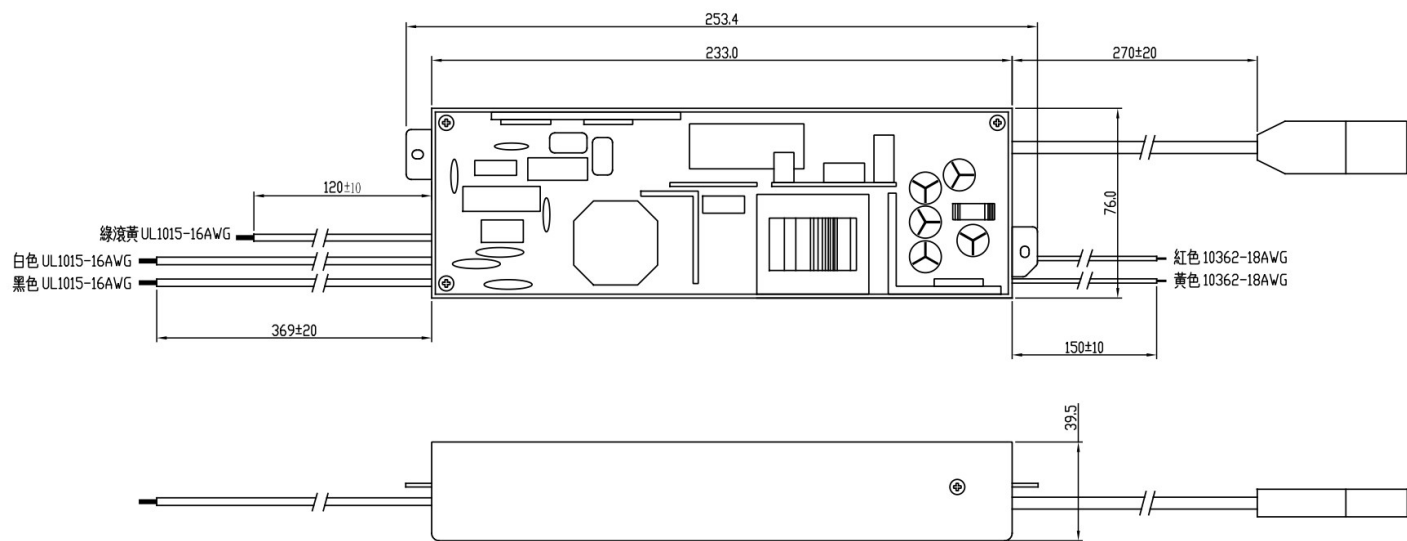
Model		WEN-210-66-BT
Output	Output Power	210W max.
	Rated Current	3.18A
	Output Voltage Range	54~72V by LED VF
	Current Range	0~3.18A
		Can be adjusted by PWM Bluetooth
	Voltage Tolerance	± 5%
	Line Regulation	± 0.5%
	Load Regulation	± 0.5%
	Output Current Ripple	± 5%
	PWM_in Frequency Range	300Hz~2000Hz
	PWM_in Duty Cycle	1%~99%
	Turn-on Delay Time	1S~2S/120VAC, 0.5S/240VAC
Input	Hold Time	> 20 ms
	Input Voltage Rated	100~277VAC
	Input Voltage Range	90~305VAC
	Frequency Range	47~63Hz
	Efficiency (Typ.)	90% @ 100VAC, 92% @ 240VAC
	Power Factor (Typ.)	PF>0.95 min./100VAC, PF>0.90 min./230VAC
	Total Harmonic Distortion	THD< 20% when output loading ≥50% at 115VAC/230VAC input; when output loading ≥75% at 277 VAC input
	Standby Power Consumption	< 0.5W @ 100-240VAC
	Leakage Current	<0.75mA
	Input AC current	2.5A/ 100-277VAC
	Alternating Current	2.5A/100VAC, 1.2A/240VAC
Protection	OVP (Over Voltage)	72~76V (AC/DC OUTPUT SIDE)
		Protection type : Shut down o/p voltage with auto-recovery or re-power on to recovery
	SCP	Recovers automatically after fault condition is removed
	OTP	100°C ±10°C derating 50% o/p current, recovers automatically after temperature goes down

SPECIFICATION

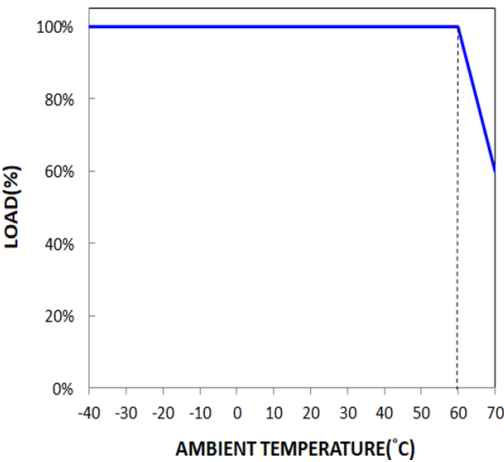
Model		WEN-210-66-BT
Environment	Operating Temperature	-40 ~ +70°C
	Operating Humidity	20%~95% RH, non-condensing
	T-case Max Temperature	90°C
	Storage Temperature/ Humidity	-40°C~80°C, 10%~95%RH
	Temperature Coefficient	± 0.03%/°C (0-50°C)
	Vibration Resistance	10-500Hz, 5G, 12min/cycle, X, Y, Z axes/72min
Safety & EMC	Safety Standard*	Compliance to EN61347-1, EN61347-2-13, IP65 (with whole lighting system); J61347-1, J61347-2-13; design refer to UL60950-1, TUV EN60950-1
	Line Surge	Line to Line : 6KV; Line to FG : 15kV
	Withstand Voltage	I/P-O/P: 3000VAC, I/P-FG: 1800VAC, O/P-FG: 500VDC
	Insulation Resistance	I/P-O/P, I/P-FG, O/P-FG: 100MΩ/500VDC/25°C/70%RH
	EMC Emission	Compliance to EN55015, EN55022 Class B, EN61000-3-2 Class C, IEC61000-3-3 CISPR J15
	EMC Immunity	Compliance to EN61000-4-2.3.4.5.6.8.11, EN61547, EN55024
Others	Dimming Type	1 channel PWM 3.3V dimming (via Bluetooth dongle)
	Dimming Range	1% to 100%
	Dimension (LxWxH)	L233x W76x H39.5 mm
	MTBF	180,000 hrs min. MIL-HDBK-217F (25°C)
	Lifetime	60,000 hrs at 30°C

*Meet safety regulations standard, and ready for safety certification application according to needs.

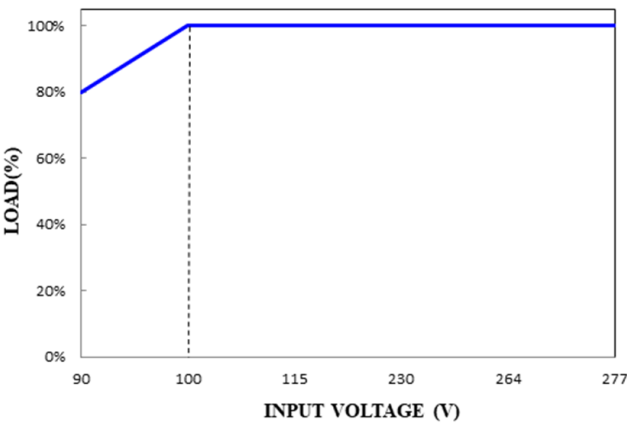
MECHNICAL SPECIFICATION



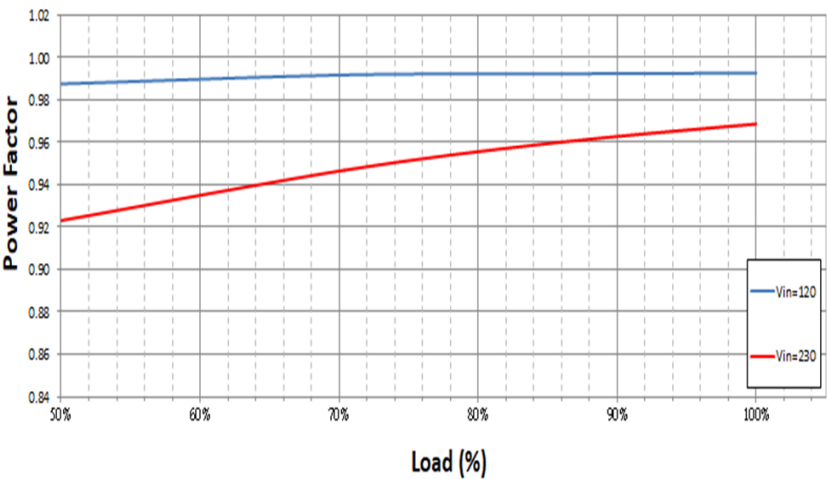
DERATING CURVE



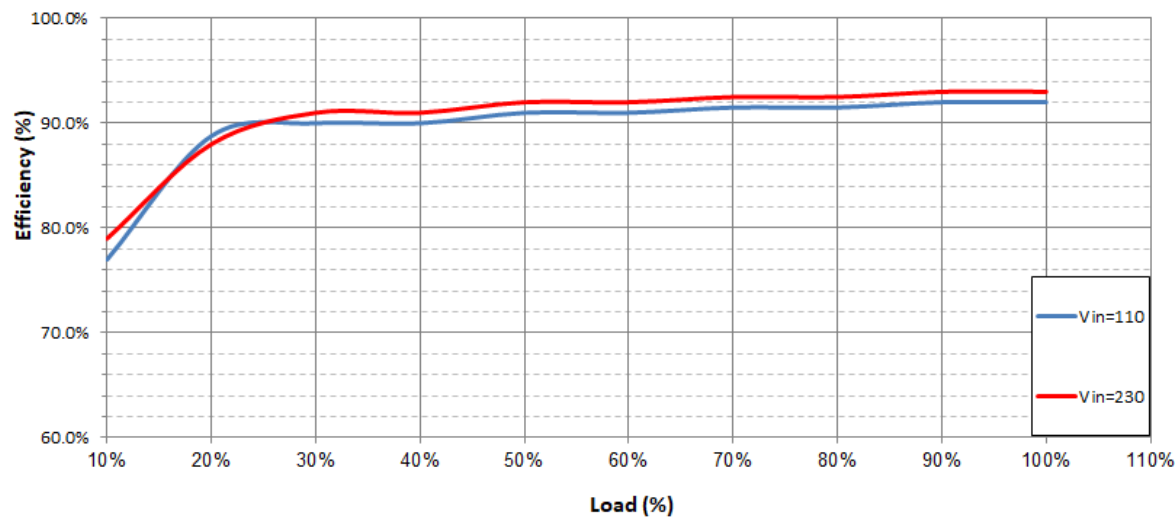
STATIC CHARACTERISTIC



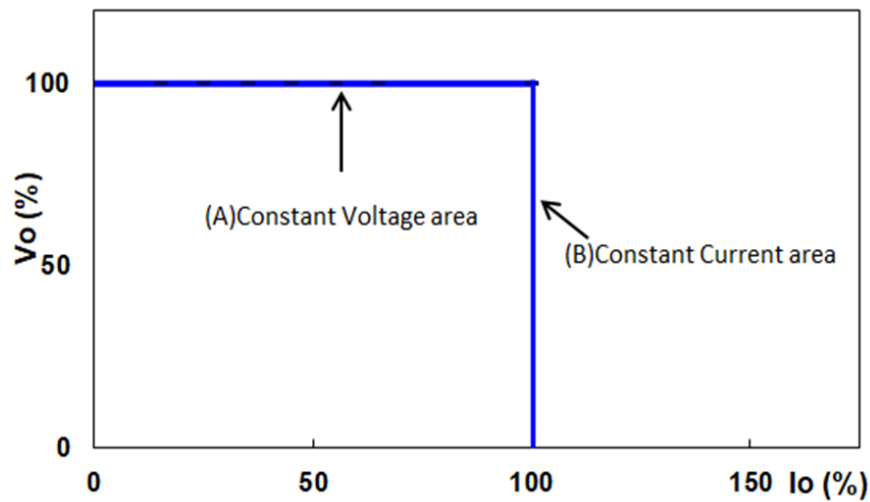
POWER FACTOR CHARACTERISTIC



EFFICIENCY V.S LOAD



DRIVING METHODS OF LED MODULE



BLOCK DIAGRAM

