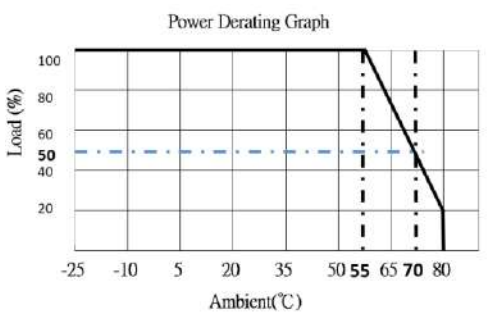
200W LED Driver

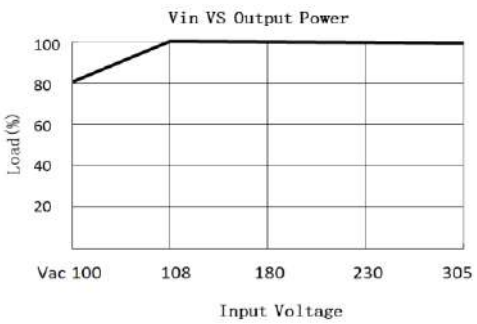
MAIN FEATURES

- 200W Small Compact Size- Metal housing design
- Constant Current Mode Output
- Built-in active PFC >0.95
- Output Range : 12VDC - 48VDC
- Input Range: 100VAC - 305VAC/47- 63Hz
- Very Low Standby Power Consumption<0.5W
- IP65 Rating For Indoor Or Outdoor Installations
- 3 In 1 Dimming(1V to 10Vdc or 10V PWM Signal or resistance)
- Safety: Compliance with All Requirements of: IEC/EN61347-1, IEC/EN61347-2-13, UL8750 CALSS 2, CSA C22.2NO.250.13-12,CE,UKCA,IP65
- Materials: Uses UL 94-V0 Resin
- EMC : Conducted And Radiated Emission conform To EN55015,FCC Part 15, CLASS B, IEC/EN61000-3-2 CLASS C, EN61000-3-3 without any additional components.
- Immunity Conform To:EN61000-4-2, IEC/EN61000-4-3, EN61000-4-4,EN61000-4-5,EN61000-4-6, EN61000-4-8 EN61000-4-11

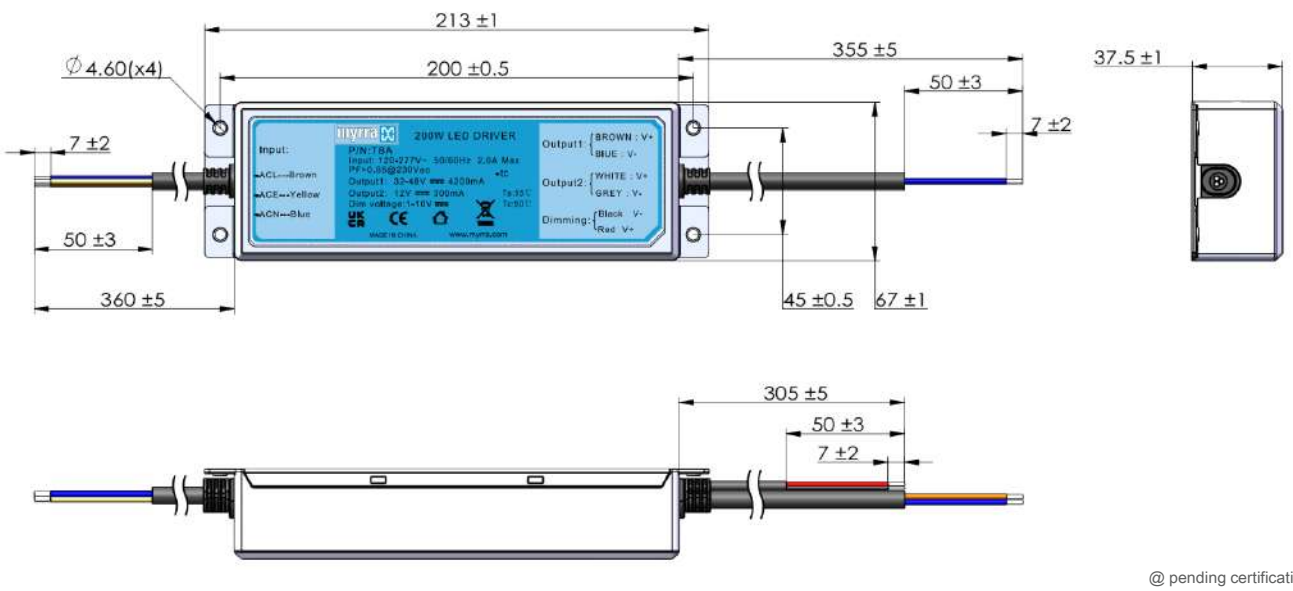
Part Number	Output Power (W)	Output Voltage (VDC)	Output Current (mA)	Max.Operating Ambient (°C)	Min. Part Efficiency(%)	Input Range
54020	200	12~18	11.10	80	88	100VAC-305VAC
54021	200	15 ~24	8.33	80	88	
54022	200	21.5 ~36	5.56	80	89	
54023	200	25 ~42	4.76	80	90	
54024	200	32 ~48	4.20	80	90	

DERATING GRAPH





DIMENSIONS



@ pending certification

Model: 200 Watt		Specification
AC Input Characteristics	Rated input Voltage	120~277Vac
	Input Voltage Range	100~305Vac
	AC Input Frequency Range	47Hz~63Hz
	Rated AC Input Frequency	50/60Hz
	Input Current	2.5A Max.@108Vac~305Vac@DC output with full load
	Standby Power	0.5W Max. (Meet Requirements Of Energy Star And EC Code Of Conduct)
	Total Harmonic Distortion	≤20% @output load≥75%
	Leakage Current	<0.75mA@277Vac
	Max.No.of PSU on 16A circuit breaker	26 units(circuit breaker of type B)/26 units(circuit breaker of type C)at 230VAC.
DC Output Characteristics	Output Voltage Range	See table
	Output Voltage Line Regulation	± 5%
	Output Voltage Load Regulation	± 5%
	Ripple & Noise	Max. 10%Ip-p@ 120Vac ~277Vac (The measuring will be terminated with a 47uF AL E-Cap and a 0.1uF Cer-Cap. An oscilloscope set at 20MHz bandwidth).
	Efficiency	See table (Meet Requirements Of Energy Star And EC Code Of Conduct)
Protection Characteristics	Over Voltage Protection(LED Open)	The LED driver shall automatic protection(hiccup mode). The LED driver shall auto-recovery normal operation after the deformation is removed. No excessive heat, odour, no safety hazard.
	Output Short Circuit Protection	The LED driver shall withstand a continuous output short without damage in 24 hours ; The short may be applied before power on, or after power on; The LED driver shall resume normal operation after the short is removed, no excessive heat, odour, no safety hazard
	Over Temperature Protection	Hiccup mode, recovers automatically after fault condition is removed.
Environmental	Operation Temperature	-25°C ~ + 80'C (Refer to "Derating Graph")
	Operation Humidity	10~ 90% RH (No Condensing) @ DC output with full load
	Storage Temperature	-10°C~ +35°C
	Storage Humidity	<75%RH
Safety & EMC Requirement	Dielectric Strength	Input to Output 3kVAC,5mA,1 min(3.75kVAC,3s @at the mass production stage) Input to Ground 1.5kVAC, 5mA,1 min Output to Ground 500VAC ,5mA,1 min
	Radiation	Meeting EN55015, FCC part 15, Class B
	Conduction	Meeting EN55015, FCC part 15, Class B
	Safety Standards	Compliance with all requirements of : IP65; UL8750 CLASS2; CSA C22.2NO.250.13-12;IEC/EN61347-1;IEC/EN61347-2-13; CE, UKCA Mark
Reliability Requirement	MTBF	>200K Hours @230VAC input at 55deg.C and DC output with full load >550K Hours @230VAC input at 25deg.C and DC output with full load Calculated in accordance with MIL-HDBK-217-F2
	Burn-In Test	The unit shall be burned in for 2~ 5hours under 230Vac input and DC with full load at an ambient temperature of 30~45 degrees C
	Net Weight	Approximately 530 grams per product unit.
Guarantee	This product meet to RoHS standard	

Myrra reserve the right to change specifications in this document without notice