

# 48V PREMIUM TAGRA® PROFESSIONAL LED DRIVER, IP65, 600W

| SKU: TAG48V600WIP65

# tagra®



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## FEATURES & BENEFITS

- Universal AC Input/ Full Range (Max 305VAC)
- IP65 Grade Metal Case
- Protections against: Short Circuit, Overload, Over Voltage, Over Temperature
- Built-in active PFC function
- Cooling by free air convection
- 100% aging test with full load
- Suitable for LED lighting and electronic word screen
- High Reliability
- Compliance to worldwide safety regulations for lighting
- 5 Year's Warranty

48V

IP65

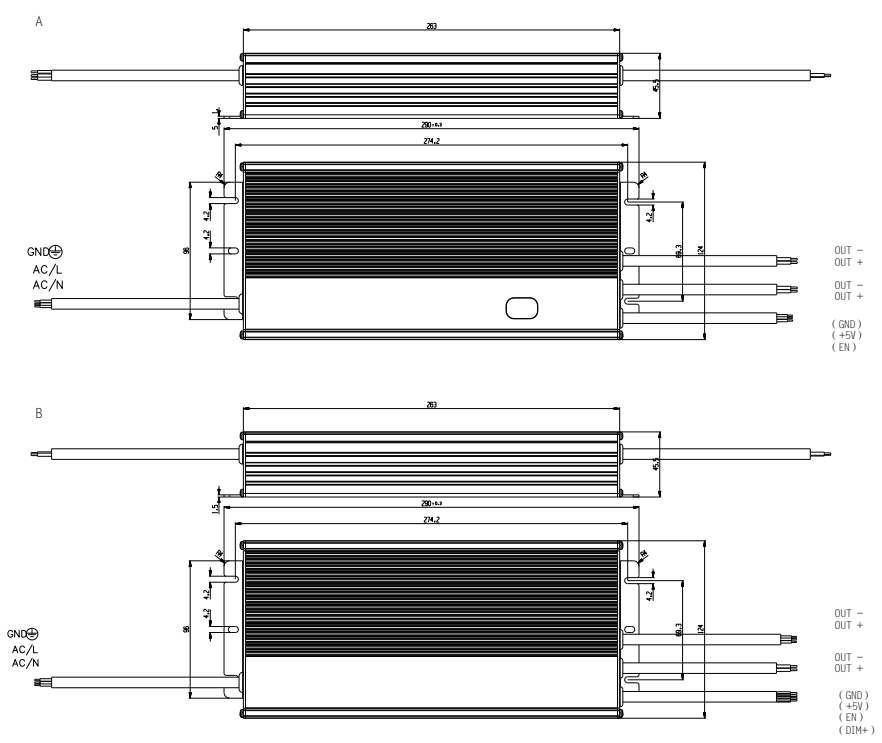


## TECHNICAL INFORMATION

### Specifications

Output	Voltage Adj. Range	40.8~50.4V DC
	Min Output Voltage	24V DC (min)
	Rated Voltage	48V
	Rated Current	12.5A
	Max Output Power	600W max
	Max Output Voltage	53V max
	Ripple & Noise	300mV (Vp-p)
	Current Adj. Range	6.2-12.5A
	Line Regulation	+/-1%
	Current Tolerance	+/-5%
	Load Regulation	+/-3%
	Setup, Rise Time	500mS, 30mS (180V 50Hz)
	Hold Up Time	30mS (230V 50Hz), 10mS (115V 60Hz)
Input	Voltage Range	108~305V AC
	Frequency Range	47~63Hz
	Power Factor	PF>0.95 (230V 50Hz), PF>0.98 (115V 50Hz)
	Efficiency	95.5%
	AC Current	3.0A/230V 50Hz, 6A/115V 60Hz
	Inrush Current	55A/230V (25°C)
	Leakage Current	0.7mA max (230V 50Hz)

<b>Protection</b>	<b>Over Current</b>	1.1~1.6 times rated load (auto-recovery)
	<b>Short Circuit</b>	Hiccup mode, auto-recovery after short circuit removed
	<b>Over Voltage</b>	60V MAX - Protection mode: Turn off input voltage and restart
	<b>Over Temperature</b>	110°C+/-10°C - Protection mode: Turn off input voltage and restart when temp drop to normal
<b>Environment</b>	<b>Working Temp.</b>	-40°C~70°C
	<b>Working Humidity</b>	15~95% RH
	<b>Storage Temp.</b>	-40°C~80°C
	<b>Temp. Coefficient</b>	+/-0.05%/°C (-10°C~45°C)
	<b>IP Rating</b>	IP65
	<b>Vibration</b>	10~500Hz, 2G 10min./1 cycle, 30min. each along X,Y,Z axes
<b>Safety &amp; EMC</b>	<b>Safety Standards</b>	EN61347-1, EN61347-2-13
	<b>Withstand Voltage</b>	I/P: -O/P: 5.3KV DC/50Hz 1min
	<b>Isolation Resistance</b>	I/P: -O/P, I/P-FG: 50M Ohm/500VDC/25°C/70% RH
	<b>EMC Emission</b>	EN55015. Fcc par 15 ClassB
	<b>EMC Immunity</b>	EN61000-4-2,3,4,5,6,8,11; EN55024; EN61547
	<b>Harmonic</b>	EN61000-3-2 CLASS C (100% load)
<b>Other</b>	<b>MTBF</b>	155Khrs MIL-HDBK-217F (50°C)
	<b>Dimenions</b>	290mm x 124mm x 45.5mm



## DIMENSIONS