

24VDC 8.3A 200W LED DRIVER



Multi Output Constant Voltage

Features:

- 100-305VAC Ultra Wide range Input Voltage
- Fanless Design – High Reliability
- IP67 rated suitable for indoor & outdoor use
- Protections OVP, SCP, OCP, OTP
- 5 Year Warranty
- Full Safety including CE, UL EN61347-1, EN61347-2-13



The Tiger Power range of LED drivers feature a comprehensive range of safety approvals for truly global requirements and meet latest energy efficiency legislation. The TGR-24V-200W 24vdc 8.3 amp model provides a reliable constant voltage output at up to 200 Watts continuous, suitable for a wide range of applications. This LED driver is supplied with a 1 input to 3 output high current splitter. Please see page 2 for example connection. Also available as 4 and 6 output versions on request

Part number :	TGR-24V-200W-OP3
Output:	24vdc Constant Voltage (16.8vdc to 24vdc in CC mode)
Output Current Adjustable Range in CC mode	4.15 amp to 8.3 amp (99.6 watt to 200 watts)
Input voltage:	100-305vac
Input frequency:	47 - 63Hz
No load power consumption:	<0.5W
Current:	8.3A
Power :	200 Watts
Protection:	Short Circuit, Over Temperature, Over voltage protection
Dimensions:	199 x 63 x 35.5mm
Weight:	850g
AC cord length (where supplied):	300mm
DC cord length:	300mm
DC output:	Red + Black -
Polarity:	No applicable
Efficiency:	94%
Input current RMS Max.:	2.0A
Inrush Current at 230vac:	65A max. at 230vac cold start, max. load
Load regulation:	+ / - 5%
Safety approval:	UL8750, CSA22.2 EN61347-1, EN61347-2-13, EN62384
M.T.B.F.:	749,060.00 hours min Telcordia SR-332 (Belcore)
Operating temperature:	-40°C to + 90°C (contact sales for derating info)

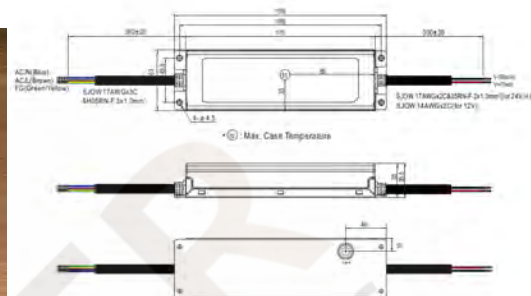
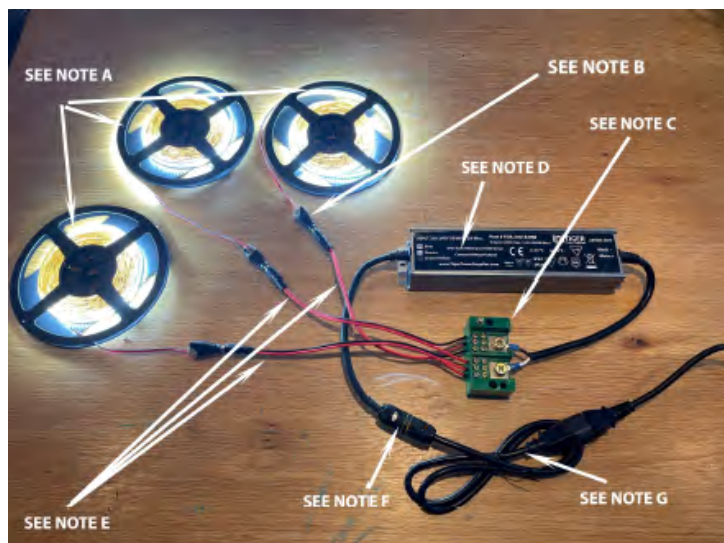
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Output Adjustable



- A) This is 3 reels of our 5 Metre (60W) 12W/M 128 LED/m 6500K 80cri 24vdc 2350lm LED strip part number CW-128-12WM. Each reel of 5 metres is rated at 60 watts total, so the load on this power supply in the above photo is 3 x 60 W (180 watts). Each of the 3 outputs can supply 24vdc at 2.77A (66.67W) if all loaded together. Each output is rated to a max 100W. Total load 200W
- B) These connectors are our CON21-TERM-SOCKET push fit 2.1mm sockets which can quickly be attached to the LED strip for fast powering. Rated to 5A maximum
- C) This terminal block is part of our DC High Current Splitter range. This is part number TP-SPLIT-HW-OPX3 which is a 1 input to 3 output. The input side is rated to 30A max and each output terminal is rated to 8.3A max. Suitable only for low voltage 12V / 24V connection. In the photo this splitter is fitted with 3 of our EXT-CAB-A Red/Black cables
As well as this 3 output splitter connector, we also have 4, 6, 8 and 9 output splitter boxes if more outputs are required
- D) One of our TGR-24V-200W constant voltage 24vdc 200W LED drivers
- E) 3 pieces of our EXT-CAB-A cables which are rated to 4A 20AWG and 300mm length
- F) Here we use one of our IP68 2 or 3 wire waterproof cable joints CON-WP-IP68-M16 to connect an IEC input cable to the existing 300mm AC bare end cable. Please note the CON-WP-IP68-M16, EXT-CAB-A or IEC cable is not supplied as standard. The unit is supplied as per the photo on page 1 of this spec and all other parts are option extras available by contacting us
- G) IEC input cable fitted for fast AC connection (not waterproof) part CA-IEC-1M

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