180W 12V Class 2 Constant Voltage Driver

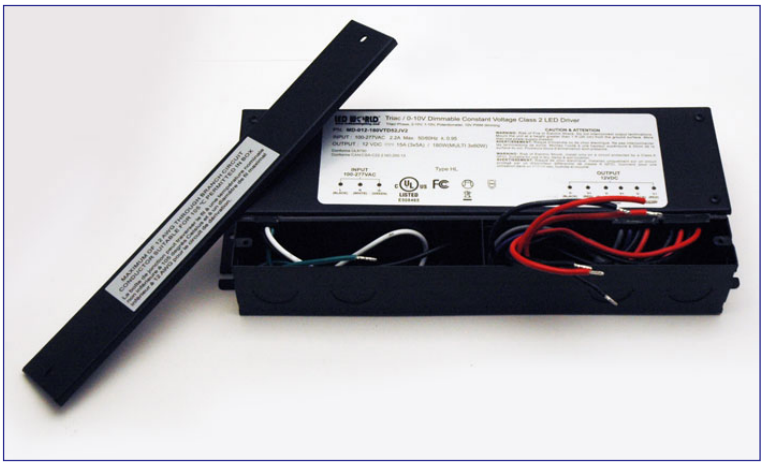
Model : MD-012-180VWJ2V2

HUEDA LED
www.huedaled.com

12V DC | 180W | c UL us LISTED | FC | SELV | 6 Years Limited Manufacturer Warranty | 3 MULTI TAP

FEATURES

- Constant Voltage Output
- Universal AC input: 100~277VAC
- Power Factor > 0.99
- High efficiency > 90%
- Protection : Short circuit / Over Loading / Over temperature
- Design suitable for use in dry, damp and wet indoor/outdoor applications
- Easy installation
- Free Air convection cooling
- Full protection aluminum housing
- cULus listed
- Suitable for LED lighting and sign lighting applications
- 8 Knockouts for easy wiring



SPECIFICATIONS

Output	DC Voltage	12V
	Voltage	±0.5V Tolerance, ±0.5% Regulation
	Rated Current	3 x 5A
	Rated Power	180W (60W x 3)
Input	Voltage Range	100~277VAC
	Frequency Range	47~63Hz
	Power Factor (Typ.)	PF ≥ 0.99/120VAC, PF ≥ 0.94/277VAC
	Efficiency (Typ.)	87% @ 120VAC, 89% @ 277VAC
	THD (Typ.) @ full load	<20%
	AC Current (Typ.)	2.2A @ 100VAC
	Inrush Current (Typ.)	19A ,50%,1.3ms @120VAC ; 38A,50%,960us @277VAC
	Leakage Current	< 0.50mA
Protection	Short Circuit	Shutdown o/p voltage, re-power to recover after short circuit
	Over Temperature	100°C±10°C shutdown o/p voltage, automatically recovers after cooling
	Over Loading	≤ 120% Constant current limiting, auto recovery
Environment	Working Temp.	-40°C ~ 60°C (-40°F ~ 140°F)
	Working Humidity	20~90 % RH, non-condensing
	Storage Temp. Humidity	-40°C ~ 80°C, 10~95 % RH
	Temp. Coefficient	±0.03% / °C (0°~50°C)
	Vibration	10~500Hz, 5G 10min/1 cycle, period for 60min each along X, Y, Z axes
Safety & EMC	Safety standards	Ul8750 + UL1310
	Withstand voltage	I/P-O/P:1.88KVAC
	Isolation Resistance	I/P-O/P: 100MΩ/500VDC/25°C/70%RH
	EMC EMISSION	FCC 47 CFR Part 15 ,Subpart B
Other	Net. Weight	2.0Kg (4.40lbs)
	Size	278L x 110W x 46H mm (10.94" x 4.33" x 1.82")

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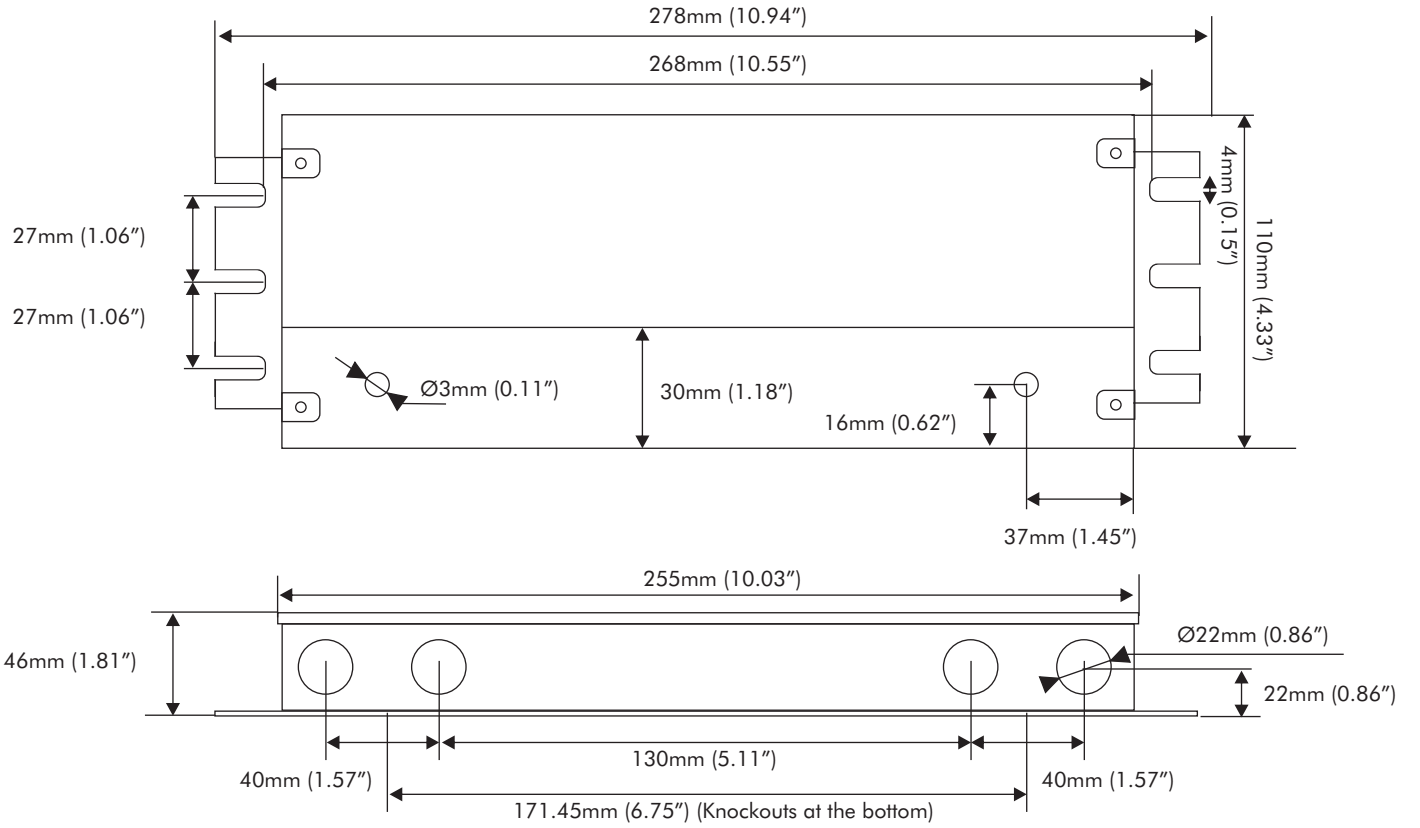
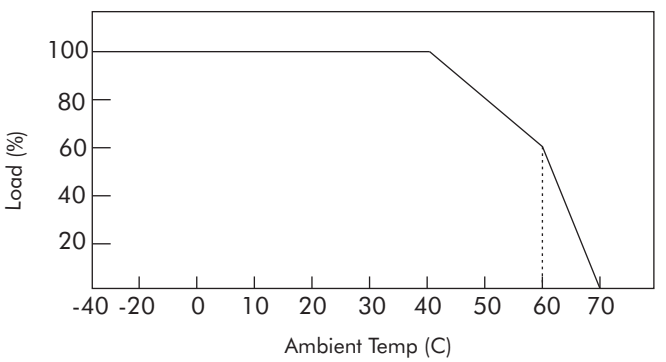
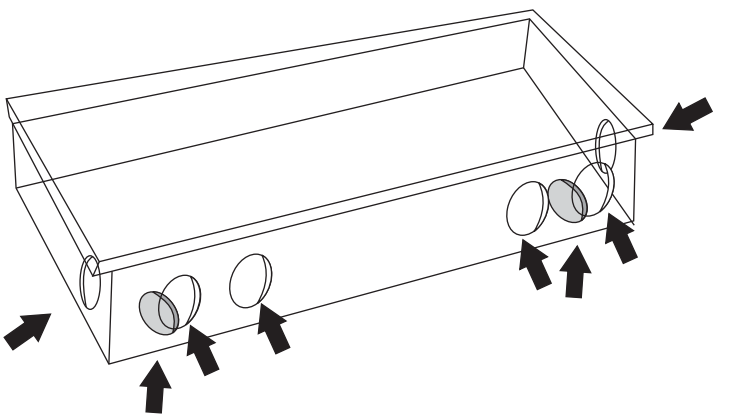
PRODUCT DIMENSION



DERATING CURVE



KNOCKOUTS



WARNING

- Check polarity
- Risk of Electric Shock. Indoor use only. Suitable for dry and damp locations.
- Risk of Fire. Installation involves special wiring methods to run wiring through a building structure. Consult a qualified electrician.
- Risk of Electric Shock. Mount the unit at a height more than 1 ft (30cm) from the ground

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