

Electronic Driver

500W 24V (multi dimming)

Product Information

Description	500W/24V/ECV/Driver
Input volts	120/277V
Input wattage	500W
Output volts	24V
Minimum load	20%
Dimmable	Triac / Phase, 0-10V, 1-10V, Potentiometer, 10V PWM
Warranty	5 Years
Height	1.97"
Length	11.02"
Width	5.51"
Pack	5

G-97628



Product Information

Output		Input	
DC voltage	24V	Voltage range	100-277 VAC
Voltage tolerance	±0.5V	Frequency range	50-60 Hz
Voltage regulation	±0.5%	Power factor	0.95 At Full Load
Rated current	20A	THD	<10% @ 120 VAC & 227 VAC
Rated power	500W	Efficiency	90% @ 120 VAC / 93% @ 227 VAC
Load regulation	±1%	AC current	5.03A
		Inrush current	52A, 50% 1.9MS @ 227 VAC
		Leakage current	<0.5mA



Product Information

Protection

Voltage range	Shut down O/P voltage, re-power on to recover after fault condition removed
Frequency range	>120% constant current limiting, auto-recovery
Power factor	100°C $\pm$ 10°C shut down O/P voltage, automatically recover after cooling

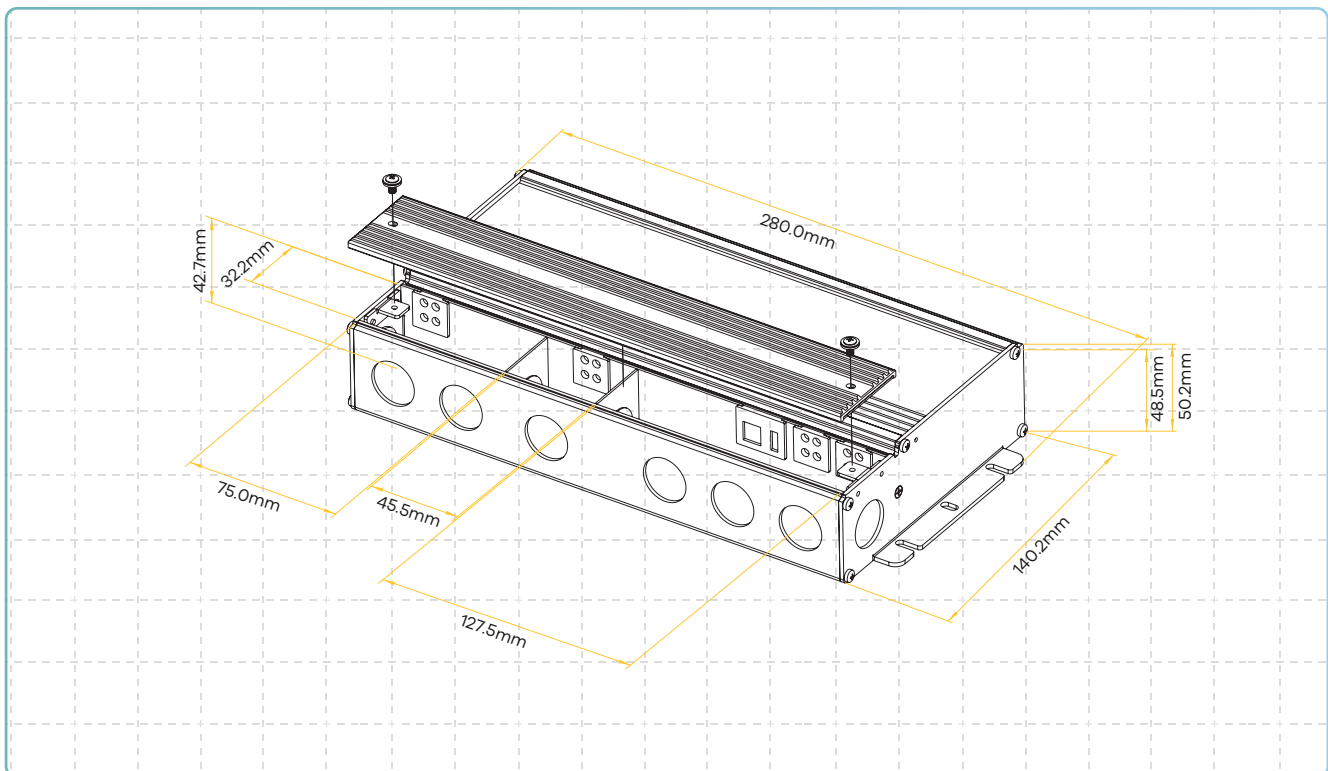
Environment

Working temp	-40~+140°F (-40~60°C) *See derating curve
Working humidity	20-95% RH, non-condensing
Storage tem., humidity	-40- +176°F (-40~80°C), 10-95%RH
Temp coefficient	$\pm$ 0.03% /°C (0-50°C)
Vibration	10-500HZ, 5G 10 min/1 cycle, period for 60 min each along X,Y,Z axes

Safety & EMC

Safety standards	UL8750, CAN/CSA-C22.2 No. 250.13
Withstand voltage	I/P - O/P: 1.8KVAC
Isolation resistance	I/P - O/P: 100M Ω /500VDC/25°C/70%RH
EMC emission	FCC 47 CFR PART 15, SUBPART B

Dimensions



Voltage Drop Table

Wire Gauge	30W (G-97620) (1.25A)	60W (G-97621) (2.5A)	96W (G-97525) (4A)	100W (G-97622) (4.16A)	120W (G-97612) (5A)	150W (G-97623) (6.25A)	200W (G-97624) (8.33A)	250W (G-97625) (10.41A)	300W (G-97626) (12.5A)	500W (G-97628) (6.94A) Per Circuit	600W (G-97627) (8.33A) Per Circuit
20 AWG	20FT	10FT	6FT	6FT	5FT	4FT	3FT	2.30FT	2FT	3.28FT	3FT
18 AWG	21FT	15FT	9FT	9FT	8FT	6FT	5FT	3.61FT	3FT	4.92FT	5FT
16 AWG	49FT	24FT	15FT	15FT	12FT	10FT	7FT	5.91FT	5FT	7.87FT	8FT
14 AWG	80FT	40FT	25FT	24FT	20FT	16FT	12FT	9.51FT	8FT	12.46FT	13FT
12 AWG	124FT	62FT	39FT	37FT	31FT	25FT	19FT	14.76FT	13FT	18.70FT	20FT
10 AWG	196FT	98FT	61FT	59FT	50FT	40FT	30FT	23.62FT	20FT	29.19FT	30FT

Dimmer List

Brand	Dimmer Model	Dimmer Categories	Brand	Dimmer Model	Dimmer Categories
LUTRON	SELV-300P	TRIAC DIMMER	LUTRON	NTLV-600	TRIAC DIMMER
	DVELV-300P-WH			CTCL-150-WH	
	PD-SNE			CTCL-153PDH-WH	
	MRF2-6ELV-120			NTCL-250	
	MA-PRO(Maestro)			DVCL-253P-WH	
	ST-PRO-N(Sunnata)			DVDCL-153P	
	MAELV-600-WH			DVCL-153P	
	NTELV-600-WH			AYCL-153P	
	DVRP-253P			STCL-153M(Sunnata)	
	DVRF-SNE			MSCL-OP153M	
	DVRF-6L			SLV-600P-LA	
	MRF2-600M			DVLV-600P-GR	
	MRF2S-6CL			S600P	
	MRF2S-6CL-WH			DV-600P	
	MRF2-6ND-120			CT-103P	
	MRF2-6CL			MS-Z101-WH	(0-10V) DIMMER
	PD-6WCL-WH			DVSTV-WH(0-10)	
	PD-10NXD			RMJS-8T-DV-B	
	MALV-600			DVTV-WH	TRIAC DIMMER
	MACL-153M-WH			DVELV-303P	
				MACL-LFQ	
Brand	Dimmer Model	Dimmer Categories	Brand	Dimmer Model	Dimmer Categories
LIVITEN	6672-1LW	TRIAC DIMMER	EATON	DLC03P	TRIAC DIMMER
	6674-POW			DUL06P-C2	(0-10V) DIMMER
	6672-3PW			DF 10P-C1	
	6683		LEGRAND	ADTP703TUW4	TRIAC DIMMER
	6681			RHL153P	
	DDE06-BLZ			LSCL450	
	DDMX1-BLZ				
	DZ6HD				
	DH6HD (D26HD)				
	DSL06-1LZ				
	RNL06-10Z				
	PNL06-TW				
	RDL06-TW				
	IPL06-10Z				
	IPE04-1LZ				
	VPI06				
	TBL03-10W				