

Electronic Driver

600W 24V (multi dimming)

Product Information

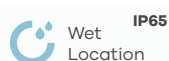
Description	600W/24V/ECV/Driver
Input volts	120/277V
Input wattage	600W
Output volts	24V
Minimum load	20%
Dimmable	Triac / Phase, 0-10V, 1-10V, Potentiometer, 10V PWM
Warranty	5 Years
Height	1.97"
Length	11.02"
Width	5.51"
Pack	5

G-97627



Product Information

Output		Input	
DC voltage	24V	Voltage range	100-277 VAC
Voltage tolerance	±0.5V	Frequency range	47-63 Hz
Voltage regulation	±0.5%	Power factor	0.99 @ 120 VAC / 0.95 @ 277 VAC
Rated current	25A	THD	<10% @ 120 VAC & 227 VAC
Rated power	600W	Efficiency	88% @ 120 VAC / 82% @ 227 VAC
Load regulation	±1%	AC current	5.9A @ 100 VAC
		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 ±10°C shut down O/P voltage, automatically recover after cooling

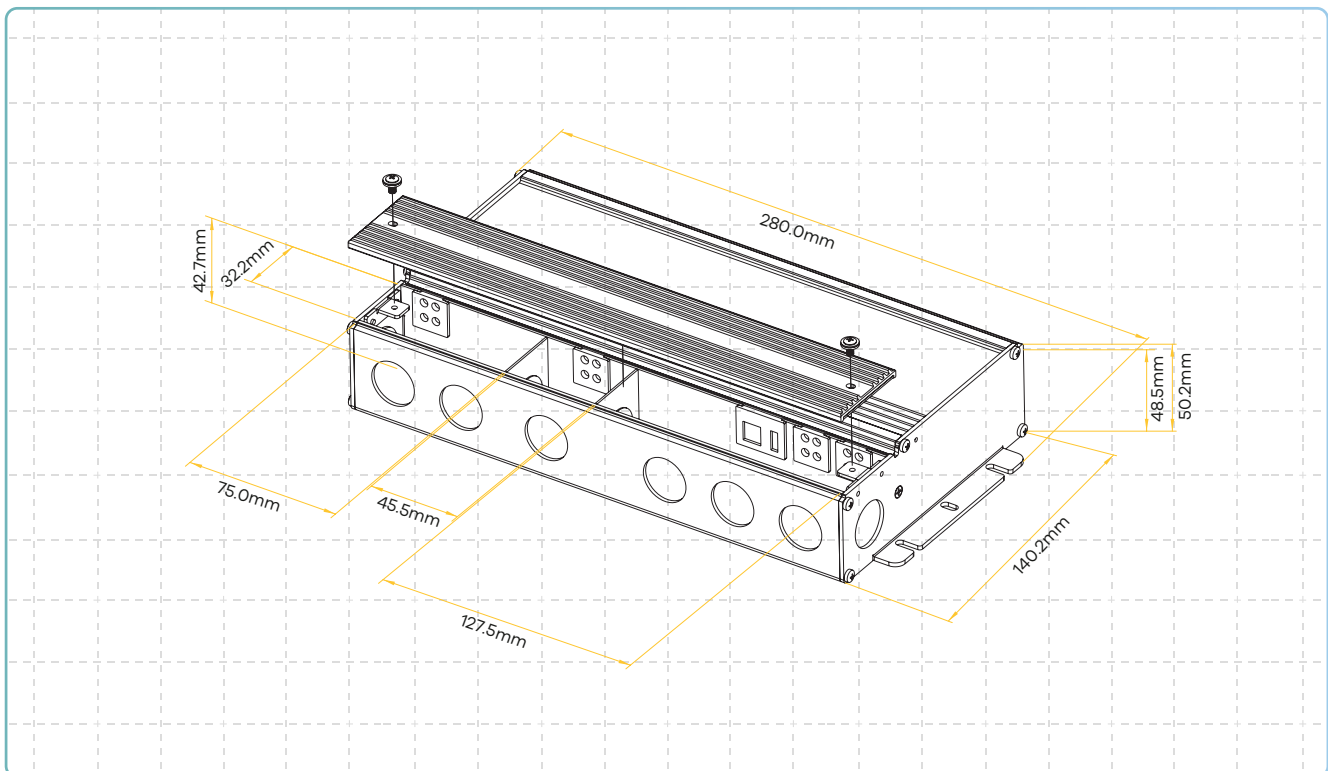
Environment

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	±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: 100MΩ/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)	300W (G-97626) (12.5A)	600W (G-97627) (8.33A) Per Circuit
20 AWG	20FT	10FT	6FT	6FT	5FT	4FT	3FT	2FT	3FT
18 AWG	21FT	15FT	9FT	9FT	8FT	6FT	5FT	3FT	5FT
16 AWG	49FT	24FT	15FT	15FT	12FT	10FT	7FT	5FT	8FT
14 AWG	80FT	40FT	25FT	24FT	20FT	16FT	12FT	8FT	13FT
12 AWG	124FT	62FT	39FT	37FT	31FT	25FT	19FT	13FT	20FT
10 AWG	196FT	98FT	61FT	59FT	50FT	40FT	30FT	20FT	30FT

Dimmer List

Brand	Dimmer Model	Dimmer Categories
LUTRON	SELV-300P	TRIAC DIMMER
	DVELV-300P-WH	
	PD-SNE	
	MRF2-6ELV-120	
	MA-PRO(Maestro)	
	ST-PRO-N(Sunnata)	
	MAELV-600-WH	
	NTELV-600-WH	
	DVRP-253P	
	DVRF-SNE	
	DVRF-6L	
	MRF2-600M	
	MRF2S-6CL	
	MRF2S-6CL-WH	
	MRF2-6ND-120	
	MRF2-6CL	
	PD-6WCL-WH	
	PD-10NXD	
	MALV-600	
	MACL-153M-WH	

Brand	Dimmer Model	Dimmer Categories
LUTRON	NTLV-600	TRIAC DIMMER
	CTCL-150-WH	
	CTCL-153PDH-WH	
	NTCL-250	
	DVCL-253P-WH	
	DVDCL-153P	
	DVCL-153P	
	AYCL-153P	
	STCL-153M(Sunnata)	
	MSCL-OP153M	
	SLV-600P-LA	
	DVLV-600P-GR	
	S600P	
	DV-600P	
	CT-103P	
	MS-Z101-WH	(0-10V) DIMMER
	DVSTV-WH(0-10)	
	RMJS-8T-DV-B	
	DVTV-WH	TRIAC DIMMER
	DVELV-303P	
	MACL-LFQ	

Brand	Dimmer Model	Dimmer Categories
LIVITEN	6672-1LW	TRIAC DIMMER
	6674-POW	
	6672-3PW	
	6683	
	6681	
	DDE06-BLZ	
	DDMX1-BLZ	
	DZ6HD	
	DH6HD (D26HD)	
	DSL06-1LZ	
	RNL06-10Z	
	PNL06-TW	
	RDL06-TW	
	IPL06-10Z	
	IPE04-1LZ	
	VPI06	
	TBL03-10W	

Brand	Dimmer Model	Dimmer Categories
EATON	DLC03P	TRIAC DIMMER
	DUL06P-C2	(0-10V) DIMMER
	DF 10P-C1	
LEGRAND	ADTP703TUW4	TRIAC DIMMER
	RHL153P	
	LSCL450	