



Specification Data

Espen Generic Part No.	0202000071
Espen Generic Model No.	VPL100-200 (35)



Output	Rated Current	2000 mA		
	Operating Voltage Range (min. ~ max.)	35V-50V		
	Rated Power (Max @W)	100W		
	Output Current ripple(ripple = pk-pk/avg)	10%@2000mA		
	Start Time (Max. ms @ VAC)	1000ms / 120VAC at full load		
	Output Current Regulation (%)	± 5% @2000mA		
	Output Dimming Range (%)	10%~100%		

Input	Frequency Range	47 ~ 63 Hz		
	Input Voltage Range	120 ~277VAC (±10%)		
	Power Factor (Min.)	0.9 at full load		
	THD (Max.)	20%		
	Efficiency (typ. %@120/277V at full load)	>87%		
	Input AC Current (Max. @ VAC)	1.2A @ 108VAC at full load		
	Inrush Current (Max.)	30A@120VAC, 70A @277VAC (cold start, μ s at 50% Ipeak)		
	Leakage Current (Max. @ VAC)	0.75mA / 277VAC		

General Specifications		Data	Notes
	Dimming Type	DC DIMMING	0~10V
	Dimming Range	10% ~ 100%	
	0-10v Dimming Interface Current	<2mA	
	MTBF	>200,000 hours	Measured at 120VAC, 80% load, 25°C ambient (MIL-HDBK-217F)
	Max. Case Temp.	81°C	
	Life Rating (@ 100%Load, @ 81°C Tc.)	50,000 hours	Measured at 120/277VAC, 100% load, 81°C Tc.
	Warranty	5-years Limited Warranty	

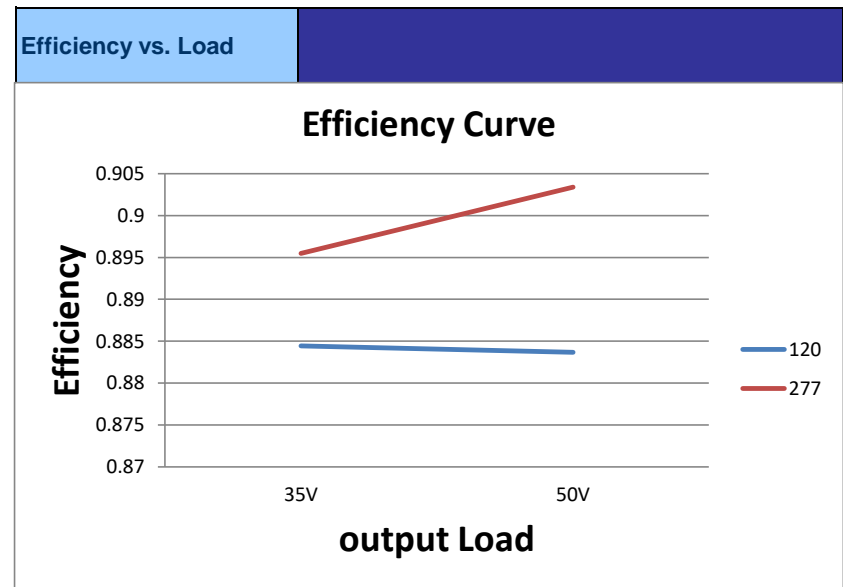
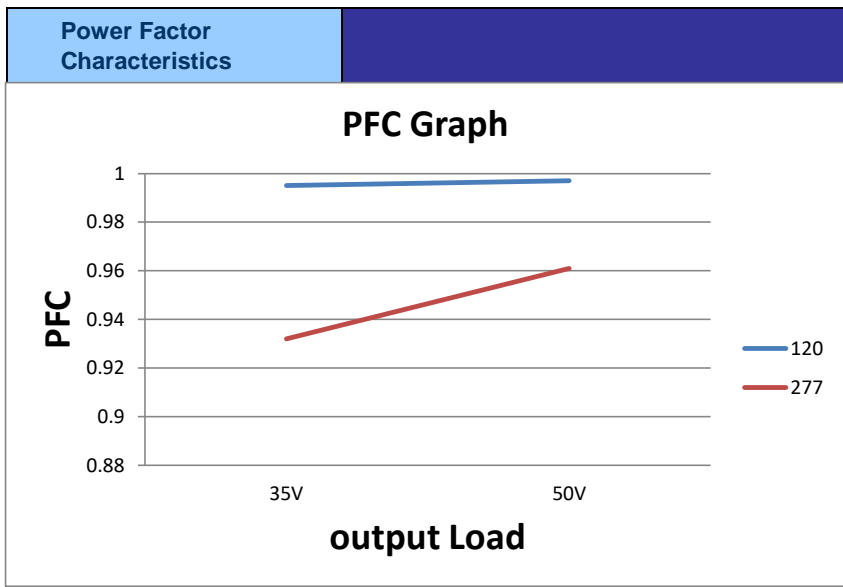
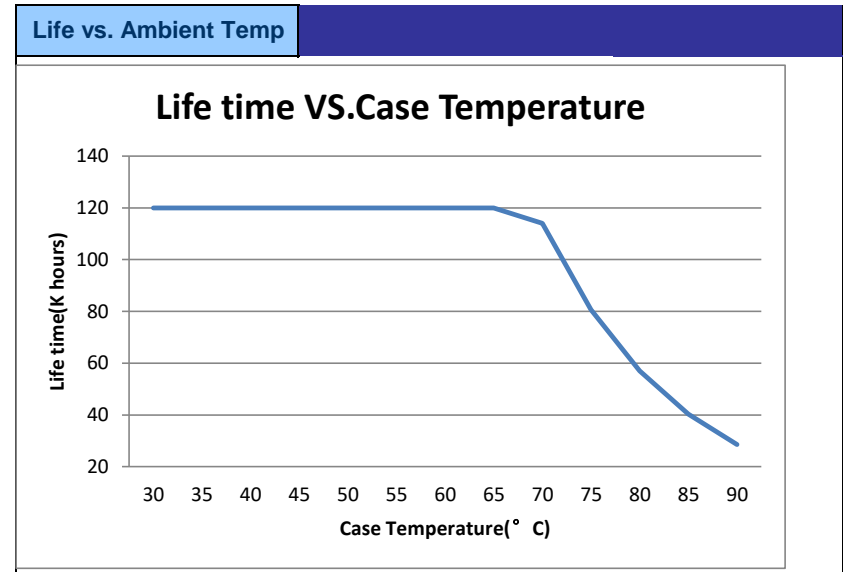
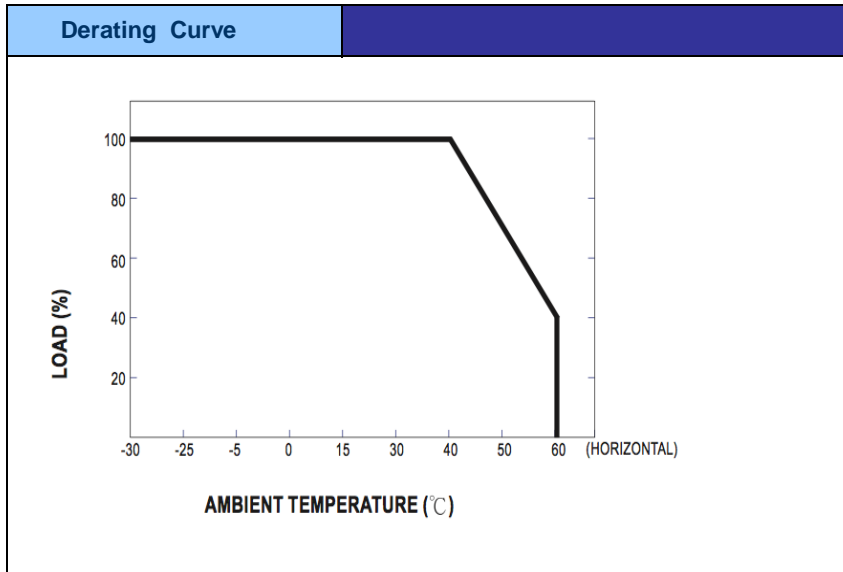


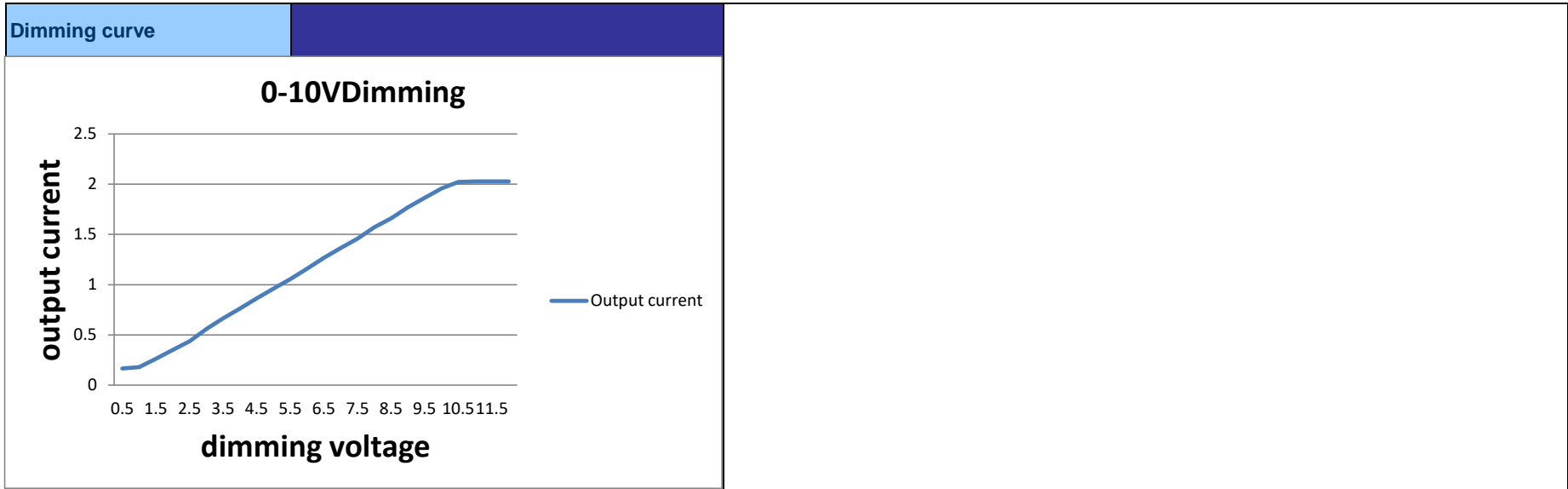
Protection	Type	
	Over Power	the driver always works within a safe working area power curve
	No Load Voltage (% min. ~ max.)	Vomax ~ 110% Vomax
	Short Circuit	Disconnect the power to restart after fault condition is removed
	Input Transient Protection	Power supply shall comply with IEEE C.62.41-1991, Class A operation. The line transient shall consist of seven strikes of a 100 kHz ring wave, 2.5kV level for both common mode and differential mode.
	Others	SCP, OVP

Environmental	Operating Temperature (min. ~ max.)	-30 ~ +50°C
	Storage Temperature (min. ~ max.)	-40~ +80°C
	Operating Humidity	20 ~ 95% RH
	Storage Humidity	10 ~ 95% RH
	Temperature Coefficient (%/C)	±0.03% / °C (0~50°C)
	Application	For Dry and Damp location

Safety & EMC	Safety Standards	UL, cUL, UL8750 Class 2
	EMI/EMC Standards	FCC Part 15 Class B, Compliance to EN 61547/1995+A1/2000

Physical Parameters		L	W	H	M		
	Dimensions (inches)	9.5	1.7	1.2	8.91		
	Net Weight (lbs.)	1 lbs.					
	Input Leads (AWG, Length)	Line	Black single 18AWG 105°C 600V length 500mm(+/-25mm) wire stripping 10mm(+/-1mm)				
		Neutral	White single 18AWG 105°C 600V length 500mm(+/-25mm) wire stripping 10mm(+/-1mm)				
	Output Leads (Color, AWG, Length)	Positive	Red single 20AWG 105°C 600V length 800mm(+/-25mm) wire stripping 9mm(+/-1mm)				
		Negative	Blue single 20AWG 105°C 600V length 800mm(+/-25mm) wire stripping 9mm(+/-1mm)				
		Dimming+	Violet single 18AWG 105°C 600V length 800mm(+/-25mm) wire stripping 10mm(+/-1mm)				
		Dimming-	Gray single 18AWG 105°C 600V length 800mm(+/-25mm) wire stripping 10mm(+/-1mm)				
	Packaging		QTY/CTN		Dimensions (in.)		Weight (lbs.)





Dimmer Compatability List	Dimmer Manufacturer	Dimmer Model No.
	EASEIC	EID110U
	LEVITON	AWSMT716