

PS-INF-3/6KW

INFINITY
GVA TECHNOLOGY

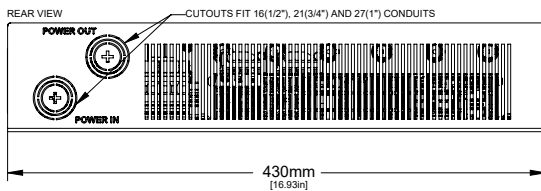
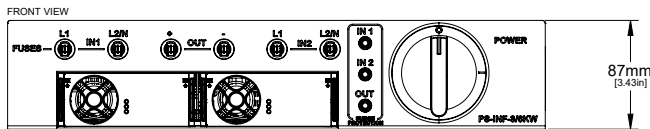
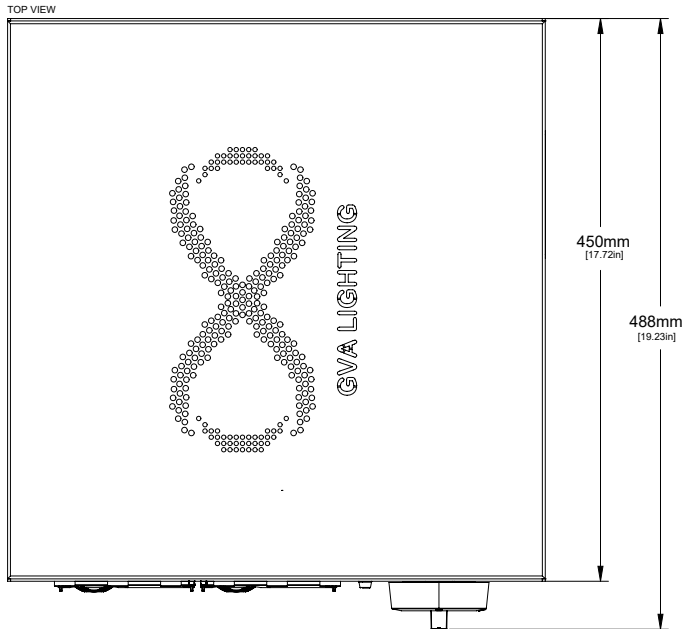


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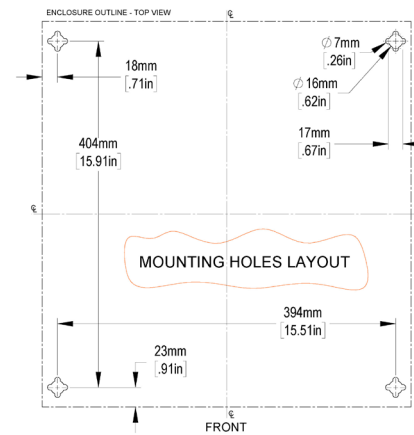
GVA
LIGHTING

Power Supply for INFINITY® Lighting Systems

PRODUCT SPECIFICATION SHEET



DATE:	
TYPE:	
COMPANY:	
PROJECT:	



FEATURES:

- Features GVA Lighting's proprietary INFINITY® Technology
- Power output: 380VDC, 3KW (1-Module) or 6KW (2-Module)
- High Resistance Mid-Point Ground for added safety
- Wide input voltage range 120~277VAC, 50/60 Hz, for 1-Phase or Multi-Phase systems
- Surge protection at both AC Input and DC Output
- Built in protection from over-voltage, hot plug-in, inrush current, short circuit and over-temperature
- LED indicators for fault detection and diagnosis
- Power factor >0.99 at >50% load
- Operating temperature -40 to +45°C (-40 to +113°F)
- Input and output terminal blocks for convenient electrical connections
- Easy to install using four mounting holes
- Designed to fit into 19" rack cabinets, adaptive hardware available upon request
- 5-year limited warranty

ORDERING INFORMATION: PS-INF-3/6KW

G20488 - POWER SUPPLY, PS-INF-3KW, 1-MODULE, 120/(208-240)/277VAC, IP30*

G20491 - POWER SUPPLY, PS-INF-6KW, 2-MODULE, 120/(208-240)/277VAC, IP30*

*Power derated to 1.7KW for 1-MODULE and 3.4KW for 2-MODULE when supplied with 120Vac.

PRODUCT CONFIGURATION

PS-INF-3/6KW

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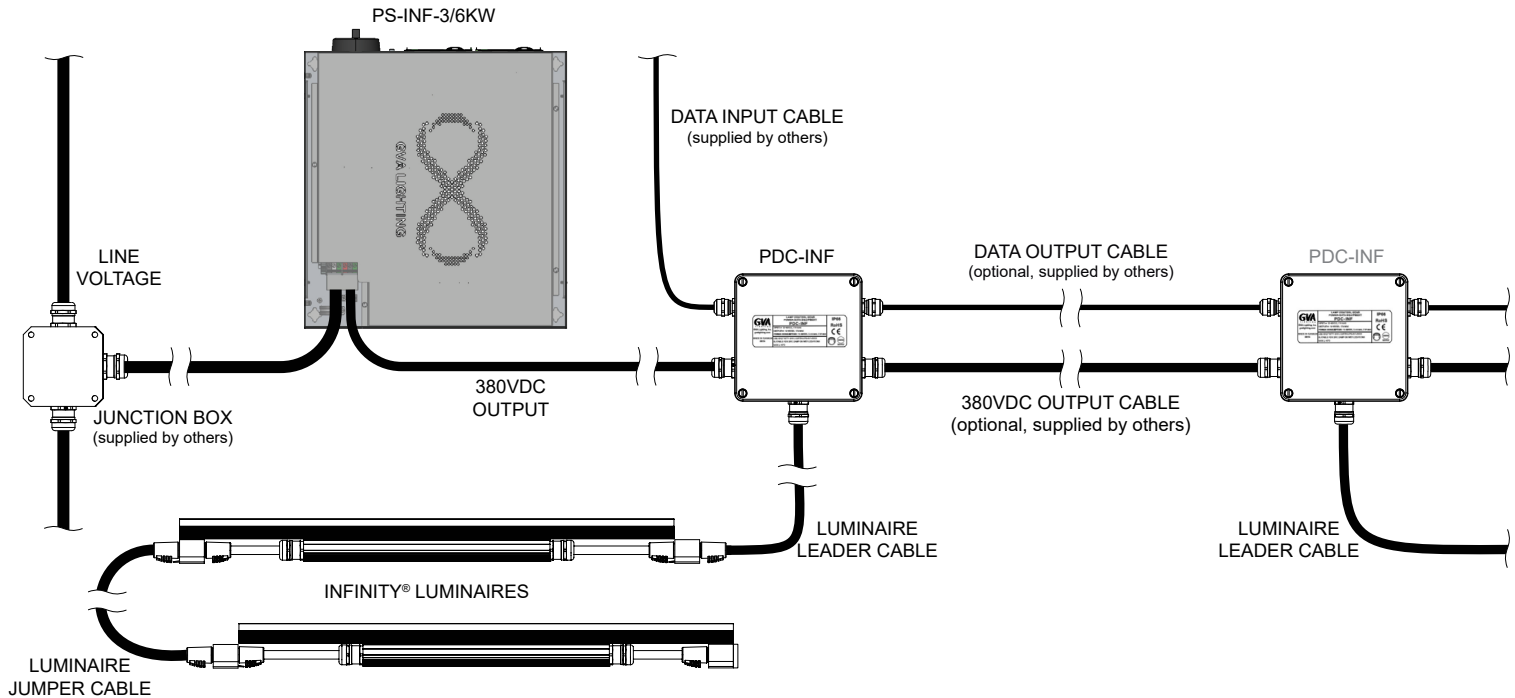
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TYPICAL SYSTEM DIAGRAM



PRODUCT SPECIFICATIONS: PS-INF-3/6KW

Electrical	Rated Input Voltage / Frequency	120~277VAC / 50/60 Hz		
	Power Factor	> 0.99 at 50% load or more		
	Efficiency @ 230Vac	> 96.2%		
	Output Voltage	380VDC nominal		
	Output Power (Maximum) - 1-Module/2-Module	208~277VAC Input	3000 / 5500 W	
		120VAC Input	1700 / 3400W	
	Current Sharing (10-100% load)	+/-5% of maximum current		
	Static Voltage Regulation (10-100% load)	+/-0.5%		
	Dynamic Voltage Regulation	+/-5% for 10-50% or 50-10% load variation, regulation time < 25 ms		
	Holdup Time	> 20 ms, Vo>300Vdc at 1500W load		
Ripple	< 1000 mV _{P-P} , 30 MHz bandwidth			
Surge Protection - Input & Output	Type 2, In 20kA (8/20 μs)			
Physical	Length x Width x Height mm (in)	450 x 430 x 87 (17.72 x 16.93 x 3.43)		
	Weight kg (lbs)	17 (37.5)		
	Housing	14 Gauge cold rolled steel, black powder coat		
	Fixture Connections	AC-IN	Terminal Block, to fit 3 x 14~8 AWG (3 x 2~8 mm ²)	
		DC-OUT	Terminal Block, to fit 3 x 16~8 AWG (3 x 1.3~8 mm ²)	
	Cooling	Natural & forced convection		
	Acoustic Noise - Nominal Input, full load	for 3KW <40dBA@Tamb<25°C/<58dBA@Tamb>40°C / for 6 KW <43dBA@Tamb<25°C/<61dBA@Tamb>40°C		
Operating Temperature	-40 to +45°C (-40 to +113°F), Humidity 5~95% RH non-condensing			
Storage Temperature	-40 to +85°C (-40 to +185°F), Humidity 0~99% RH non-condensing			
Ingress Protection	IP30			
Certification & Safety	Constructed to meet requirements outlined in UL 60950 & 8750			

Output power de-rates linearly from 3000W @ 40°C (104°F) to 2600W @ 45°C (113°F) or from 6000W @ 40°C (104°F) to 5200W @ 45°C (113°F).

These figures are subject to change due to further development and innovations of LED light sources