

# PS-INF-3/6KW

INFINITY  
GVA TECHNOLOGY

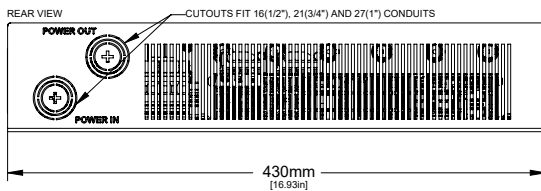
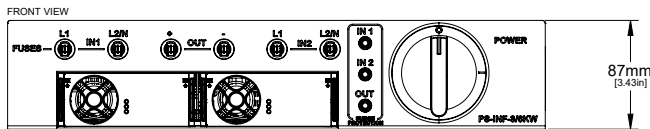
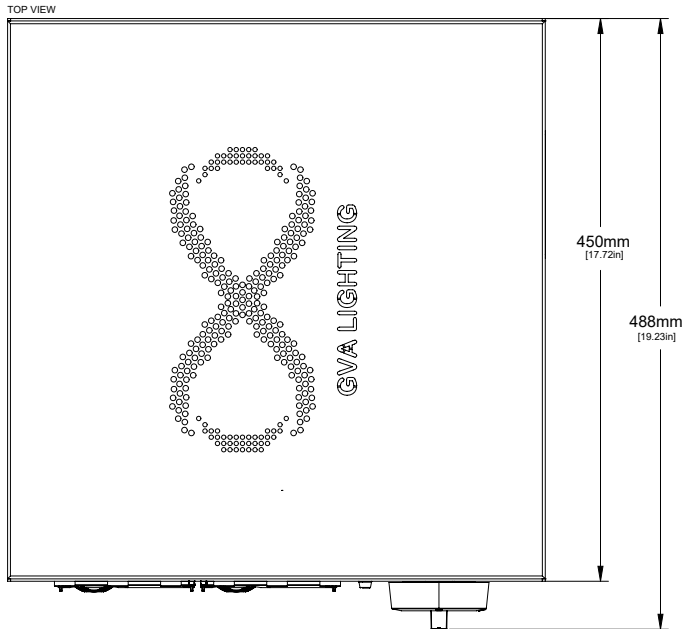


2021-09-23

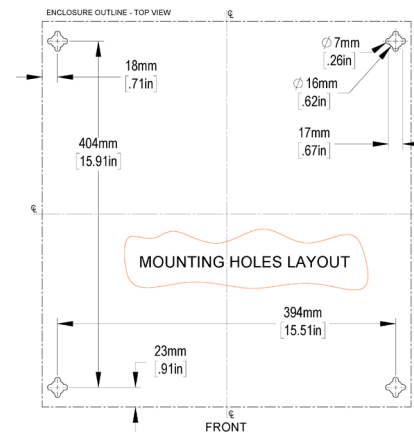
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LIGHTING

## Power Supply for INFINITY® Lighting Systems

## PRODUCT SPECIFICATION SHEET



DATE:	
TYPE:	
COMPANY:	
PROJECT:	



### FEATURES:

- Features GVA Lighting's proprietary INFINITY® Technology
- Power output: 380VDC, 3 or 6KW
- 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, 120/208-240VAC, IP30\*
- G20489 - POWER SUPPLY, PS-INF-3.8KW, 120VAC, IP30
- G20491 - POWER SUPPLY, PS-INF-6KW, 208-240VAC, IP30
- G20492 - POWER SUPPLY, PS-INF-3KW, 277VAC, IP30
- G20493 - POWER SUPPLY, PS-INF-6KW, 277VAC, IP30

\*G20488 delivers 1.9KW when supplied with 120Vac and 3.0KW when supplied with 208-240Vac.

### PRODUCT CONFIGURATION

# PS-INF-3/6KW

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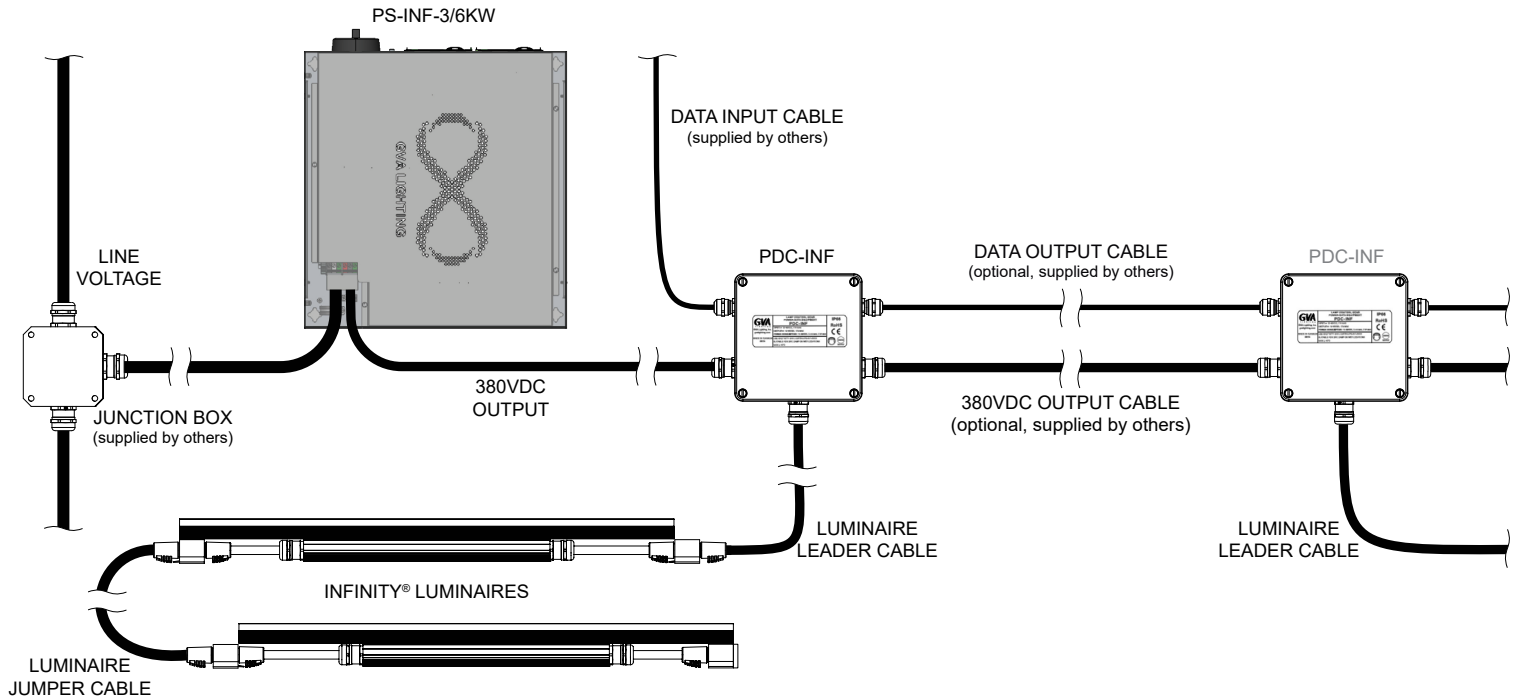


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## TYPICAL SYSTEM DIAGRAM



## 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)	208~277VAC Input	3000 / 6000 W
		120VAC Input	1900 / 3800W
	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 <sub>P-P</sub> , 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 <sup>2</sup> )
		DC-OUT	Terminal Block, to fit 3 x 16~8 AWG (3 x 1.3~8 mm <sup>2</sup> )
	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