

KEY FEATURES

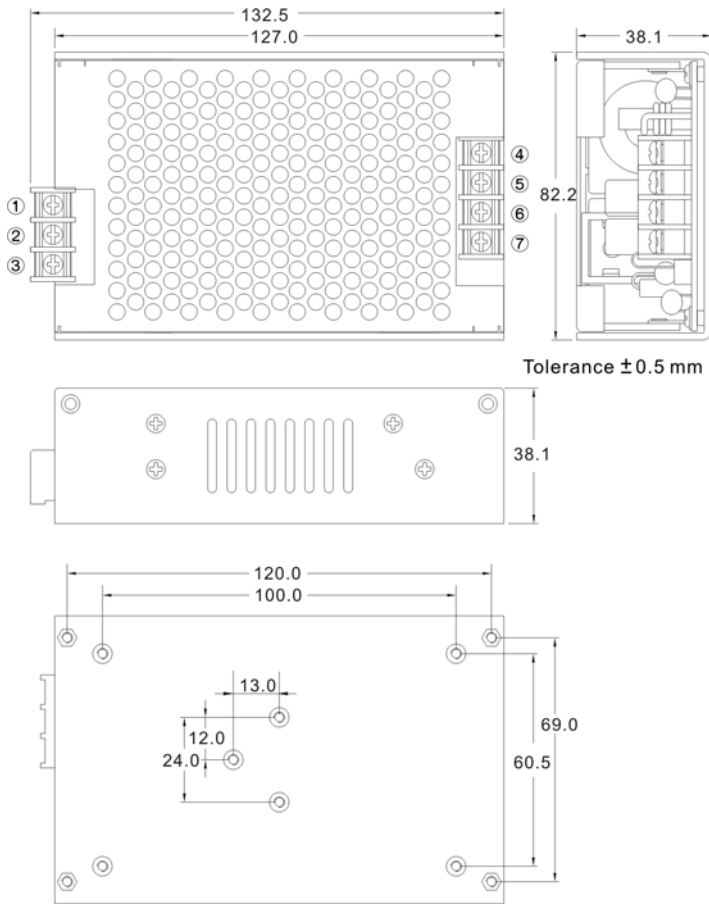
- Enclosed Switching Power Supply
- Power Factor Correction
- 3.3 VDC to 48 VDC Single Output
- 3000 VAC Input to Output Isolation
- 125 Watt with 18CFM FAN
- Ultra Compact Size: 5.0 x 3.24 x 1.5 Inches
- 2-Year Warranty


ELECTRICAL SPECIFICATIONS

Model No.	QF82-C-3.3S	QF125-C-5S	QF125-C-12S	QF125-C-15S	QF125-C-24S	QF125-C-48S
Max Output Wattage (Convection) (W)	52W	80W	95W	95W	95W	95W
Max Output Wattage (18CFM FAN) (W)	82.5W	125W	125W	125W	125W	125W
Input	Voltage					
	90-264 VAC or 120-370 VDC					
	Frequency (Hz)					
	47-63 Hz					
	Current (Full load)					
	3 A max. (115 VAC) / 1.5 A max. (230 VAC)					
Inrush Current (<2ms)						
30 A max. (115 VAC) / 60 A max. (230 VAC)						
Leakage Current						
3.5 mA max.						
Power Factor						
PF>0.97 (115 VAC) / PF>0.93 (230 VAC) at Full Load						
Output	Voltage (V.DC.)					
	3.3V	5V	12V	15V	24V	48V
	Voltage Accuracy					
	±2%					
	Current (Convection) (A) max					
	16	16	7.9	6.33	3.95	1.98
	Current (18CFM FAN) (A) max					
	25	25	10.4	8.33	5.2	2.6
	Line Regulation (LL-HL) (typ.)					
	±1%					
	Load Regulation (5-100%) (typ.)					
	±1%					
Minimum Load						
0%						
Maximum Capacitive Load						
470-23,000µF depending on model						
Ripple & Noise						
100 mV max.			1% max..			
Efficiency						
73%	78%	81%	81%	82%	83%	
Hold-up Time						
18 ms min.						
Switching Frequency						
67 kHz						
Protection	Over Power Protection					
	Auto recovery					
	Over Voltage Protection					
Auto recovery						
Short Circuit Protection						
Auto recovery						
Isolation	Input-Output (V.AC)					
	3000V					
	Input-FG (V.AC)					
1500V						
Output-FG (V.AC)						
500V						
Environment	Operating Temperature					
	-25°C...+70°C (with derating)					
	Storage Temperature					
	-40°C...+85°C					
	Temperature Coefficient					
	±0.02%/°C (0~50°C)					
Humidity						
95% RH						
MTBF						
>100,000 h @ 25°C (MIL-HDBK-217F)						
Vibration						
10~500Hz, 5G 10min./1cycle, 60min. each along X, Y, Z axes.						
Physical	Dimension (L x W x H)					
	5.0 x 3.24 x 1.5 Inches (127.0 x 82.2 x 38.1 mm) Tolerance ±0.5 mm					
	Weight					
470 g						
Cooling Method						
Free air convection / 18CFM Forced Air						
Safety	Agency Approvals					
CE, UL						
EMC	EMI (Conducted & Radiated Emission)					
	EN 55022 class B					
EMS (Noise Immunity)						
EN 55024						

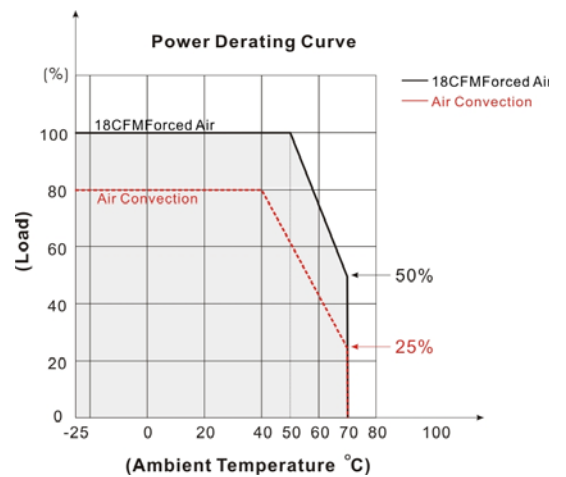
All specifications valid at nominal input voltage, full load and +25°C after warm-up time unless otherwise stated.

MECHANICAL DIMENSION (Top View)



PIN#	SINGLE
1	AC IN (L)
2	AC IN (N)
3	FG
4	+DC OUT
5	+DC OUT
6	-DC OUT
7	-DC OUT

DERATING



BLOCK DIAGRAM

