

Technical Specifications

Models	850 VA	1.4 kVA	3.1 kVA	5.3 kVA
Model Number	QFE850 VA	QFE1.4 kVA	QFE3.1 kVA	QFE5.3 kVA
Capacity (kVA/kW)	.85/.6	1.4/1	3.1/2.2	5.3/3.7
Dimensions (inches)	12 x 10 x 21.25	15.1 x 15.2 x 20.2	21.2 x 15.25 x 22.9	29.5 x 15.5 x 25
H x W x D (mm)	305 x 255 x 540	385 x 390 x 515	540 x 390 x 585	36.5 x 19 x 32
Weight (lbs)	86	154	256	505
(kg)	39	70	116	229
Input Connection	IEC-320 (10A) male connector		IEC-320 (16A) male connector	220/21A 230/20A 240/19A
Output (quantity)	4			Hardwired output is standard Contact Factory for receptacle options
Connection (type)	IEC-320 (10A) male connector			
Typical (Full Load)	11	14	14	20
Runtime: (Half Load) (minutes)	28	37	35	50

Operation

Nominal Input Voltage	220/230/240			
Input Voltage Range	+15%, -20%			
Operating Frequency	50 Hz Nominal (adjustable limits +_ 0.01 Hz to +_ 3Hz)			
Nominal Output Voltage	220/230/240			
Output Voltage Regulation	± 3% for input voltages of +15% to -20%			
Output Voltage Waveform	Sine wave			
Output Voltage THD	5% or less at rated kW load			
Overload Capacity	150% surge and 125% for 10 min. on line, 150% surge and 110% for 10 minutes on inverter			
Transfer Time	0 ms			
Lightning, Surge & Noise Protection	2000:1 spike attenuation using ANSI/IEEE C62.41 and C62.45 Category A and Category B tests. Common Mode - >120 dB. Normal Mode - >60dB			
Efficiency	85	88	91	90
Safety Certification	UL 1778, CSA (cUL), GS (TUV), Complies with European Low Voltage Directive 73/23/EEC			
EMI Compliance	FCC Class A, Complies with European Electromagnetic Compatibility Directive 89/336/EEC			
Testing Standards	ANSI/EEE C62.41 (1980); ANSI/EEE C62.45 (1987); IEC 801-2, 801-4, 801-5 EN 50081-1, EN 500082-1, EN 500091-1, EN 500091-2, EN60950			
Communication	RS-232 serial port (DB-25), plus contact closures			

Environmental

Operating Temperature	0 to 40° C			
Storage	-20° C to +60° C			
Relative Humidity	0 to 95% without condensation			
Audible Noise at 1m	47	49	51	51
Altitude	3,050m (10,000 ft.) maximum			

All specifications typical and are subject to change without notice.

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