

Technical Information

Specifications

Controller	Digital DSP Design (Global, Selectable)				
Switching Speed	20 kHz				
Loss of Power	Configurable Restart				
Overload	Units Cannot Be Overloaded				
Cooling	Fan Cooled				
Units used in Parallel	Up to 6 units can be used in Parallel				
Communications	RS232 (standard), RS422, RS485, RJ45, USB, TCP/IP (optional)				
Soft Start	10 sec				
Heat-losses	550W	950W	2000W	3000W	4100W
Audible Noise from 1 meter	60 dBA	60 dBA	63 dBA	63 dBA	65 dBA
Filter Performance	3rd to 51st Order				
Line Voltage	208 - 480 V +/- 15% (step-up transformer for higher voltages)				
System Frequency	50/60 Hz, +/- 3 Hz				
Phase/Wires	3 Phase 3 wires or 3 phase 4 wires				
Compensating Current in Phase	25 Arms	50 Arms	100 Arms	150 Arms	200 Arms
Compensating Current in Neutral (4 wire)	75 Arms	150 Arms	300 Arms	450 Arms	600 Arms
Steady State Response	<40 ms detection time at 100% step load				
Control Topology	Fully digital with DFT (<i>discrete fourier transform</i>) algorithm 3-wire (Response Time <20 ms)				
Inrush Current	Less than rated current				
Current Limitation	At full correcting				
Input Fuses	200 kaic protection, class J				
Disconnect Switch	Use of external device, review local NEC				
Current Transformers (Standard)	2,000 : 1, 20 va, 400 hz				
Safety	UL508 / EN50178				
EMI	FCC Part 15 / EN55011				
Surge Immunity	ANSI C62.41, IEEE587 / EN61000-4-5				
Harmonic Guidelines	IEEE519-1992 / EN61000-3-4				
Enclosure	NEMA 1 (IP20) 14 gauge steel with textured gray finish (NEMA 12 / 3R optional)				



Digital Control Panel

StacoSine Free Standing Unit

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