

# FREQUENCY CONVERTER



## HARSH ENVIRONMENT FREQUENCY CONVERTER

50, 60 or 400 Hz.

## Three Phase 10 kVA - 125 kVA

Made In The USA 

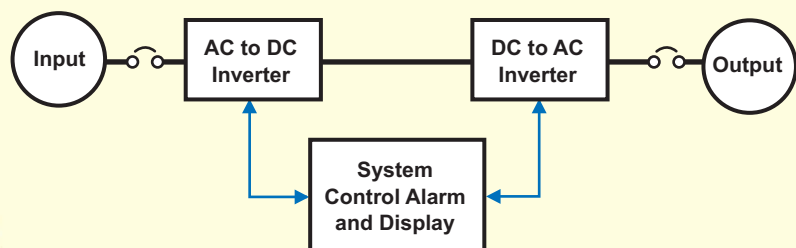
*Defends your environment against unwanted frequency fluctuations and electrical changes by providing:*

- DSPM Watchdog software always on guard.
- Display monitor keeps you in control 24/7.
- Dependable DSP/PWM technology for unsurpassed reliability.
- Economical for the lowest overall cost for your frequency conversion, with an Energy Star Rating.
- Self-diagnostics for a safe and secure frequency environment.
- Pure sine wave output for all types of loads.
- ECM module is a patented technology used by DSPM.
- Solutions for multiple applications such as: factories, military, airports and more!
- 5 Year power train warranty.
- Meets federal, state and local codes: NFPA 101, NFPA 70, NEC and OSHA.
- Complies with the Buy American Act.



 **DSPM** INC.  
DIGITAL SIGNAL POWER MANUFACTURER  
www.DSPManufacturing.com

Email: [info@DSPManufacturing.com](mailto:info@DSPManufacturing.com)  
1921 S. Quaker Ridge Place  
Ontario, CA 91761  
Ph: 1.877.DSPM POWER  
1.877.377.6769  
Fax: 909.930.3335



# FREQUENCY CONVERTER



- \*Standard Power Levels..... 10.0, 12.0, 16.0, 20.0, 24.0, 30.0,  
40.0, 50.0, 60.0, 80.0, 100.0 and 125.0 kVA
- \*Input Voltage ..... 208, 380, 400, 415, 220, 380 or 480 VAC
- \*Input Voltage Range..... +10%, -15%
- \*Output Voltage..... 208VY, 380VY, 400VY, 415VY or 220VΔ, 480VΔ or  
208Y/120, 380Y/220, 400Y/230, 415Y/240, 220Y/127 or 480/277 VAC
- \*Output Voltage Regulation..... ±3% for all loads
- \*Output Frequency..... 60 Hz ±1%, 50Hz ±1% or 400 Hz ±1%
- Output Wave Form..... Sine-wave <5% @ 100% linear load
- Crest Factor..... 2.5:1 typical
- Input Protection..... Input Main Circuit Breaker
- Output Protection..... Output Main Circuit Breaker
- Surge Protection..... The unit will protect itself and the load  
against surges as defined in  
ANSI/IEEE C62.45 category A and B
- Efficiency..... ≥92% at 100% linear load
- Overall Efficiency..... 93%
- Audible Noise..... <45dB measured on Response Curve "A"
- Operating Temperature..... -20° to 60°C (-4° to 140°F)
- Storage Temperature..... -20° to 60°C (-4° to 140°F)
- Humidity..... 5 - 95%, Non-condensing
- Overload..... <100% Continuous, 110-125% 15 Minutes,  
125-150% 10 Minutes, >150% 1 Minute
- Cabinet..... NEMA 4X or 12

\*Consult factory for others.  
Specifications subject to change without notice.



Frequency Converter Series	Power Rating	Cabinet Dimensions			Weight
		W	H	D	
FCH (Consult factory for others)	kVA	W	H	D	(lbs)
	10	41"	72"	32"	1410
	12	41"	72"	32"	1510
	16	41"	72"	32"	1610
	20	41"	72"	32"	1710
	24	41"	72"	32"	1810
	30	41"	72"	32"	1910
	40	41"	72"	32"	2010
	50	41"	72"	32"	2360
	60	41"	72"	32"	Consult Factory
	80	41"	72"	32"	Consult Factory
	100	41"	72"	32"	Consult Factory
125	41"	72"	32"	Consult Factory	

### Options:

- ECM - Environmental Control Module
- OCB - Output Circuit Breaker(s)
- SRB - Seismic-Rated Bracket
- STU3 - Onsite Startup
- HTR - Heater
- EW - Extended Warranty
- HZ - 50, 60, 400



Email: info@DSPManufacturing.com  
1921 S. Quaker Ridge Place  
Ontario, CA 91761  
Ph: 1.877.DSPM POWER  
1.877.377.6769  
Fax: 909.930.3335

Represented by: