

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

FORTRESS 3

HARSH



ONLINE HARSH ENVIRONMENT EMERGENCY LIGHTING INVERTER

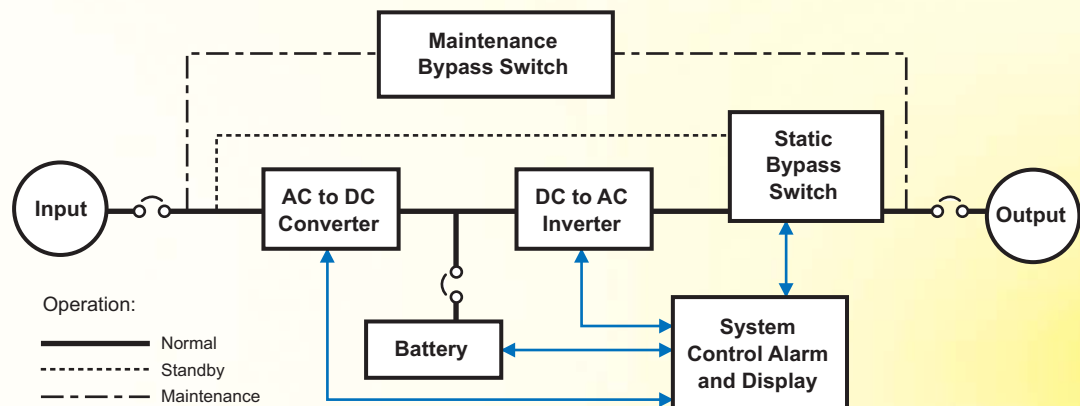
Keep the lights "ON" when you need them the most.

Three Phase 3 KW - 125 KW

Made In The USA 

Defends your harsh environment against unwanted power outage and electrical disturbances 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 light safety, with an Energy Star Rating.
- Temperature compensating technology that controls batteries for the longest battery life.
- Sealed maintenance free batteries.
- Full light output for entire 90 minutes.
- Self-diagnostics for a safe and secure lighted environment.
- Pure sine wave output for all types of lamps.
- ECM module is a patented technology used by DSPM.
- Backup solutions for multiple applications such as: indoor and outdoor emergency lighting, exits, cash registers, computers, strategic electronics and more!
- 10 Year pro-rated battery warranty.
- 5 Year power train warranty.
- Meets federal, state and local codes: UL924, NFPA 101, NFPA 70, NEC and OSHA.
- Cities of Chicago and New York Approved.
- Complies with the Buy American Act.



FORTRESS 3

HARSH

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



- *Standard Power Levels.....3.0, 4.5, 6.0, 8.0, 10.0, 12.0, 16.0, 20.0, 24.0, 30.0, 40.0, 60.0, 80.0, 100.0 and 125.0 KW
- *Input Voltage208Y/120, 480Y/277, 208 or 480VAC
- *Input Voltage Range.....+10%. -15%
- *Output Voltage.....208Y/120 or 480Y/277 VAC
- *Output Voltage Regulation.....±3% for all loads and battery discharge mode
- *Output Frequency Range.....60 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
- Battery.....Sealed maintenance-free (AGM) lead calcium
- Recharge Current.....Conforms to UL924 standards
- External Battery.....Provision for hardware connection of external battery cabinets or DC source
- Efficiency.....≥92% at 100% linear load
- Audible Noise.....<45dB measured on Response Curve "A"
- Safety Agencies.....Listed to UL standard 924
- Operating Temperature.....-20° to 60°C (-4° to 140°F)
- Storage Temperature.....-20° to 60°C (-4° to 140°F)
- Humidity.....5 - 100%, Non-condensing
- Cabinet.....NEMA 4x or 12

*Consult factory for others.

Specifications subject to change without notice.



Fortress Harsh 3	Power Rating	UPS			Battery			Weight (com-bined)	
		W	H	D	W	H	D		
FTH3 (Consult factory for other capabilities)	KVA/KW								
	3	53"	48"	32"	not required			1730	
	4.5	53"	72"	32"	not required			1850	
	6	53"	72"	32"	not required			2100	
	8	53"	72"	32"	not required			2450	
	10	53"	72"	32"	not required			3000	
	12	53"	72"	32"	41"	72"	32"	3450	
	16	53"	72"	32"	41"	72"	32"	3700	
	20	53"	72"	32"	41"	72"	32"	4550	
	24	Consult Factory							
	30	Consult Factory							
	40	Consult Factory							
	60	Consult Factory							
	80	Consult Factory							
100	Consult Factory								
125	Consult Factory								

Options:

- ECM - Environmental Control Module
- NOF120 - Normally OFF Circuit 120VAC
- NOF227 - Normally OFF Circuit 277VAC
- NOH120 - Normally OFF "Hold On" 120VAC
- NOH227 - Normally OFF "Hold On" 277VAC
- OCB - Output Circuit Breaker(s)
- EPO - Emergency Power Off
- RSSP - Remote Indicator Panel
- EIR - Ethernet Interface with RS232
- FAX - Fax Modem
- FC - Form C Contacts
- STU3 - Onsite Startup
- IDB - Internal Dimmer Bypass
- EMB - External Maintenance Bypass
- HTR - Heater
- EW - Extended Warranty

Represented by: