



# FORTRESS 3 HARSH

---

## SPECIFICATIONS

- The Fortress Harsh 3 maintains efficient AC Emergency Power to operate all emergency lighting fixtures at “full-light” output, providing superior dependability and security to commercial/industrial environments in an outdoor environment.

## DIAGNOSTICS AND MAINTENANCE

- DSP/PWM technology and DSPM Watchdog Software provides complete self diagnostic capabilities and LCD Monitoring
- Informative advanced Display and Alarms keep you in control of your emergency lighting environment 24/7
- Automatically performs periodic self-tests ensuring a safely lighted environment prior to an emergency
- Single point of testing instead of multiple testing points with battery packs

## PROTECTION

- Provides overload, surge and undercurrent protection using DSP/PWM technology and DSPM Watchdog Software to protect system performance and reliability
- Surge protection against load surges as defined in ANSI/IEEE C62.45 category A and B

## INPUT

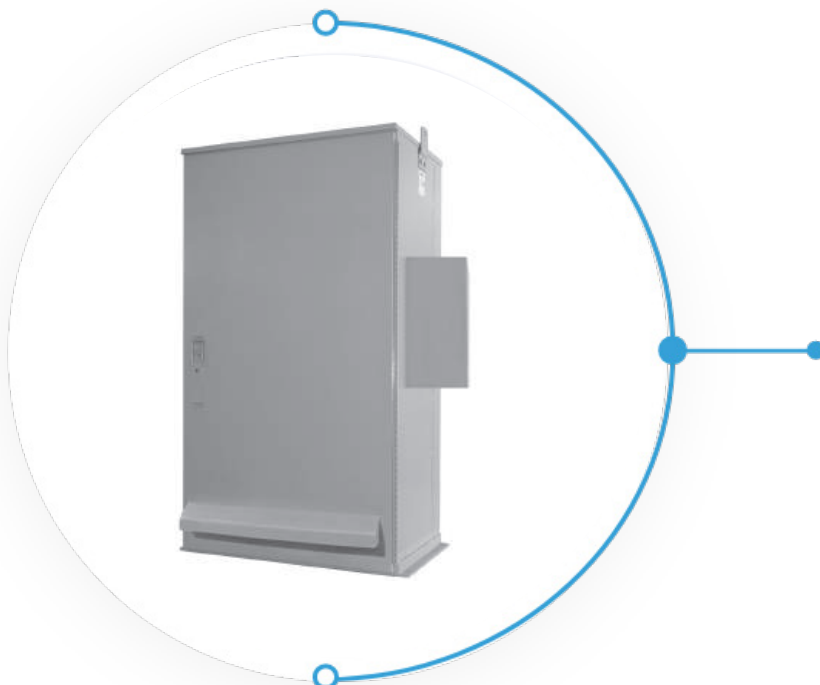
- 208Y/120, 480Y/277, 208 or 480VAC input 60Hz

## OUTPUT

- 208Y/120 or 480Y/277VAC True “on-line” design is  $\geq 92\%$  efficient at 100% linear load

## BATTERIES

- Sealed, maintenance-free, lead calcium (AGM) batteries
- 10-Year prorated warranty
- DSP/PWM Smart Battery Monitoring System is TEMPERATURE COMPENSATED maintaining maximum runtime and battery life
- Microprocessor controlled recharge and DSP/PWM overcharge protection standard



3 KW - 125 KW

Three Phase

Uninterrupted

Emergency

Lighting and

Power

Systems

## LAMPS AND LOADS

- Emergency power provides FULL LIGHT OUTPUT from all lamps and fixtures for the entire runtime
- Operates fluorescent, compact fluorescent, incandescent, quartz, H.I.D., LED and other lamp types
- Standard or electronic ballasts, dimming devices or panels, sensors and most control equipment
- Standard or LED Exits and other safety equipment

## CODES

- Built to UL 924 and UL 1778 standards, meets NFPA 101, NFPA 70, NEC and OSHA standards
- Cities of Chicago and New York approved
- Complies with the Buy American Act

## WARRANTY

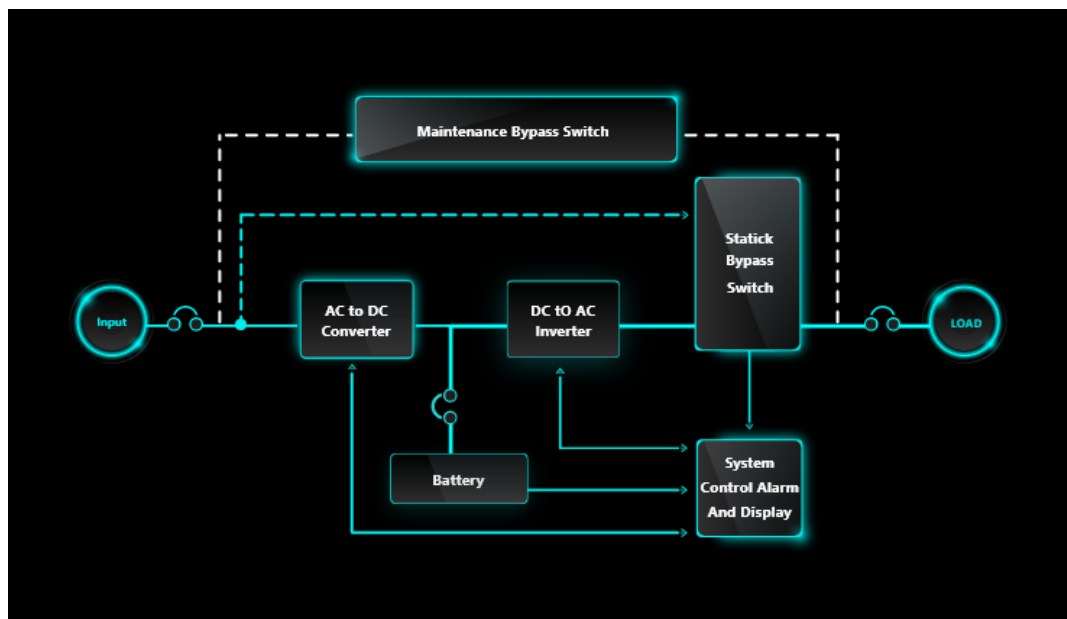
- 1-Year full warranty on system electronics
- Battery warranty 1-year with 9-years pro-rated
- System 1-year on-site warranty labor with DSPM phone assisted start-up
- 5-Year powertrain warranty
- Maintenance contracts available

## INSTALLATION

- Modular design and small footprint allow easy installation in an outdoor environment
- Phone assisted factory start-up standard for all systems
- Extended warranty available

## SPECIAL APPLICATIONS

- DSPM offers numerous UL924 optional devices to meet unusual or difficult application parameters
- ECM - Environmental Circuit Module allows fixtures and lamps on the emergency circuit(s) to be operated by normal switching and/or dimming devices in NON-emergency conditions
- Dimming Panel Interface allows use with emergency lights controlled by common dimmer panel



Fortress Harsh 3	Power Rating	UPS			Battery			Weight (combined)	British Thermal Unit	Battery Type	Voltage (VAC)		Output Protection	Safety Approvals
		Cabinet Dimensions			Cabinet Dimensions						Input	Output		
FTH3 (Consult factory for other capabilities)	KVA/KW	W	H	D	W	H	D	(lbs)	BTU's	Sealed, Maintenance free (AGM) lead calcium	208Y/120VAC, 480Y/277VAC, 208 or 480VAC (Consult factory for others)	Input and output circuit breakers standard	UL924 UL1778 NFPA 101 NFPA 70 NEC	
	3	41"	72"	32"	not required			1730	816					
	4.5	41"	72"	32"	not required			1850	1224					
	6	41"	72"	32"	not required			2100	1632					
	8	41"	72"	32"	not required			2450	2176					
	10	41"	72"	32"	not required			3000	2720					
	12	41"	72"	32"	41"	72"	32"	3450	3264					
	16	41"	72"	32"	41"	72"	32"	3700	4352					
	20	41"	72"	32"	41"	72"	32"	4550	5440					
	24	Consult Factory							6528					
	30	Consult Factory							8160					
	40	Consult Factory							10880					
	60	Consult Factory							16320					
	80	Consult Factory							21760					
100	Consult Factory							27200						
125	Consult Factory							34000						

We sincerely hope you never experience a real emergency, but if you do, you deserve the security, safety and peace of mind that the Fortress Harsh 3 from DSPM ensures.

### ORDERING INFORMATION

Choose the bold face catalog nomenclature that best suites your needs.

Write them on the appropriate line. Order accessories as separate catalog number.

Example:

**FTH3 - 12.0 - 208Y/120 208Y/120 - EMB OCB/120/3/20/1 - 240**

Description of example:

(12.0 KW, 208Y/120 Voltage In, 208Y/120 Voltage Out, External Maintenance Bypass Switch, 3 Output 120 Voltage Circuit Breakers at 20amps, 2 pole, 240 minute run time)

FTH3				
FAMILY	POWER RATING	VOLTAGE <sup>1</sup>	OPTIONS	TIME <sup>3</sup>
	<i>KW</i>	<i>Input/Output</i>	<i>ECM120 - 120V Environmental control module<sup>2</sup>/qty</i>	<i>Minutes</i>
	3.0	208Y/120 - 208Y/120	<i>ECM277 - 277V Environmental control module<sup>2</sup>/qty</i>	5
	4.5	480Y/277 - 480Y/277	<i>NOF - Normally OFF output circuit/voltage / qty/pole</i>	10
	6.0	208 - 208Y/120	<i>NOH - Normally OFF "Hold ON"/voltage/qty/pole</i>	15
	8.0	208 - 480Y/277	<i>OCB - Output circuit breakers / voltage / quantity/amps/pole</i>	20
	10.0	480 - 208Y/120	<i>EPO - Emergency power off</i>	25
	12.0	480 - 480Y/277	<i>RSSP - Remote Indicator Panel</i>	30
	16.0	208 - 208Y/120 - 480Y/277	<i>SNMP - SNMP Card</i>	45
	20.0	480 - 480Y/277 - 208Y/120	<i>FC - Form C Contacts</i>	60
	24.0		<i>STU3 - Onsite start-up</i>	90 (Standard)
	30.0		<i>IDB - Internal dimmer bypass</i>	120
	40.0		<i>EMB - External maintenance bypass switch</i>	180
	60.0		<i>HTR - Heater</i>	240
	80.0		<i>EW - Extended warranty</i>	
	100.0			
	125.0			

### NOTES:

1-Combination of options may be limited. Please

contact factory.

2-One ECM is used per switching device or circuit

Specifications subject to change without notice.



439 S. Stoddard Avenue San Bernardino, CA 92401

Ph: 1.877.DSPM POWER 1.877.377.6769 Fax: 909.930.3335