

# FORTRESS 3



## SPECIFICATIONS

*The Fortress 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.*

### POWER RATING

- 3 KW - 125 KW (or 3,000 Watts - 125,000 Watts) three phase output unit uses the latest DSP/PWM technology to provide the most advanced performance and reliability features

### INPUT

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

### OUTPUT

- 208Y/120 or 480Y/277VAC True "on-line" design is ≥92% efficient at 100% linear load

### BATTERIES

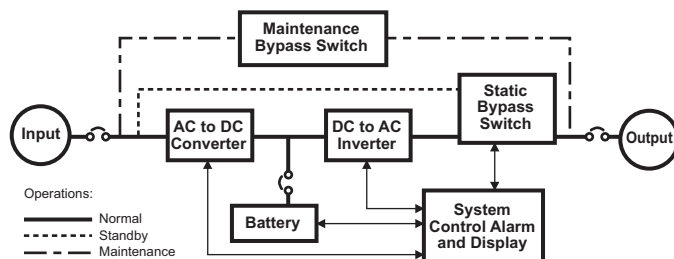
- Sealed, maintenance-free, lead calcium (AGM) batteries
- 10-Year prorated warranty
- DSP/PWM Smart Battery Monitoring System is **TEMPERATURE COMPENSATED** maintaining maximum runtime and battery life
- Microprocessor controlled recharge and DSP/PWM overcharge protection standard

### 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

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



Catalog Number	
Project	Notes
Signature	Date

**3 KW - 125 KW**

**Three Phase**

**Uninterrupted  
Emergency  
Lighting and  
Power  
Systems**



### 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

### DIAGNOSTICS AND MAINTENANCE

- DSP/PWM technology and DSPM *Watchdog Software* provides complete self diagnostic capabilities and LED 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

### NEMA 3R CABINET

- Modular design enables flexible installation
- Forced air cooling for maximum reliability
- Systems up to 10 KW are self contained; larger systems require external battery cabinet(s)

### 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

### 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

# FORTRESS 3



Fortress Outdoor 3	Power Rating	UPS			Battery				Weight (combined)	British Thermal Unit	Battery Type	Voltage (VAC)		Output Protection	Safety Approvals	
		Cabinet Dimensions			Cabinet Dimensions							Input	Output			
FT3 (Consult factory for other capabilities)	KVA/KW	W	H	D	No.	W	H	D	(lbs)	BTU's	Sealed, Maintenance free (AGM) lead calcium	Input	Output	Input and output circuit breakers standard	UL924 NFPA 101 NFPA 70 NEC	
	3	41"	48"	32"	not required				1480	816						
	4.5	41"	72"	32"	not required				1600	1224						
	6	41"	72"	32"	not required				1850	1632						
	8	41"	72"	32"	not required				2200	2176						
	10	41"	72"	32"	not required				2750	2720						
	12	41"	72"	32"	1	41"	72"	32"	3200	3264						
	16	41"	72"	32"	1	41"	72"	32"	3450	4352						
	20	41"	72"	32"	1	41"	72"	32"	4300	5440						
	24	41"	72"	32"	2	41"	72"	32"	5050	6528						
	30	41"	72"	32"	2	41"	72"	32"	5900	8160						
	40	41"	72"	32"	3	41"	72"	32"	6750	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 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:

**FT3 - 12.0 - 208Y/120 208Y/120- EMB OCB/120/3 - 180**

Description of example:

(12.0 KW, 208Y/120 Voltage In, 208Y/120 Voltage Out, External Maintenance Bypass Switch, 3 Output 120 Voltage Circuit Breakers, 180 minute run time)

FT3	FAMILY	POWER RATING	VOLTAGE <sup>1</sup>	OPTIONS	TIME <sup>3</sup>
		<b>KW</b>	<b>Input/Output</b>	<b>ECM120</b> - 120V Environmental control module <sup>2</sup> /qty	<b>Minutes</b>
		3.0	208Y/120 - 208Y/120	<b>ECM277</b> - 277V Environmental control module <sup>2</sup> /qty	5
		4.5	208Y/120 - 480Y/277	<b>NOF120</b> - Normally OFF output circuit /qty	10
		6.0	480Y/277 - 208Y/120	<b>NOF277</b> - Normally OFF output circuit /qty	15
		8.0	480Y/277 - 480Y/277	<b>NOH120</b> - Normally OFF "Hold ON"/qty	20
		10.0	208 - 208Y/120	<b>NOH277</b> - Normally OFF "Hold ON"/qty	25
		12.0	208 - 480Y/277	<b>OCB</b> - 20 Amps output circuit breakers / voltage / quantity	30
		16.0	480 - 208Y/120	<b>EPO</b> - Emergency power off	45
		20.0	480 - 480Y/277	<b>RSSP</b> - Remote Indicator Panel	60
		24.0		<b>EIR</b> - Ethernet Interface with RS232	90 (Standard)
		30.0		<b>FAX</b> - Fax Modem	120
		40.0		<b>FC</b> - Form C Contacts	180
		60.0		<b>STU3</b> - Onsite start-up	240
		80.0		<b>IDB</b> - Internal dimmer bypass	
		100.0		<b>EMB</b> - External maintenance bypass switch	
		125.0		<b>HE</b> - Heat exchanger	
				<b>HTR</b> - Heater	
				<b>EW</b> - Extended warranty	

### NOTES:

1-Consult factory for other voltage requirements. Special voltages may effect the weight, size and number of cabinets.

2-One ECM is used per switching device or circuit.

3-Consult factory for other run times.

Specifications subject to change without notice.



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