



SPECIFICATIONS

The Defender Mini 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 a small footprint.

POWER RATING

- 350 Watts - 2000 Watts single phase output unit uses the latest DSP/PWM technology to provide the most advanced performance and reliability features

INPUT

- 120V, 208V, 240V, 277V or 480V input 60Hz

OUTPUT

- 120V, 208V, 240V, 277V, 480V, 120/240 or 120/277VAC.
True "on-line" design is $\geq 92\%$ efficient at 100% linear load

BATTERIES

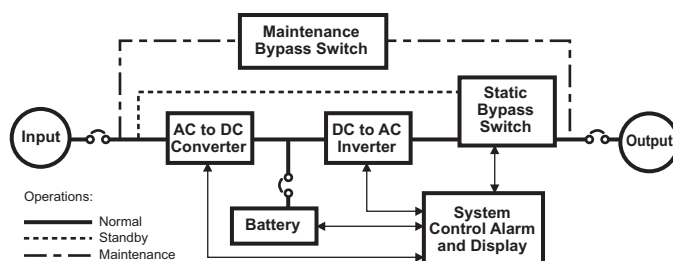
- Sealed, maintenance-free, lead calcium (AGM) batteries
- 10-Year prorated warranty
- DSP/PWM Smart Battery Monitoring System is **TEMPERATURE COMPENSATED** maintaining maximum runtime and battery life
- Microprocessor controlled recharge and DSP/PWM overcharge protection standard

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

350 W - 2000 W

Single 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

CABINET

- Space saving small footprint
- Modular design enables flexible installation

INSTALLATION

- Modular design and small footprint allow easy installation in electrical closet or other convenient locations
- 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



Mini Series	Power Rating	UPS			Weight	British Thermal Unit	Battery Type	Voltage (VAC)		Output Protection	Safety Approvals
		Cabinet Dimensions						Input	Output		
DMINI	VA/W	W	H	D	(lbs)	BTU's	Sealed, Maintenance free (AGM) lead calcium	<i>Select</i>	<i>Select</i>	Input and output circuit breakers standard	UL924 NFPA 101 NFPA 70 NEC
	350	24"	26"	16"	340	95.2		120,	120,		
	525	24"	26"	16"	340	142.8		208,	208,		
	700	24"	26"	16"	370	190.4		240,	277,		
	750	24"	26"	16"	370	204		277	480,		
	875	24"	26"	16"	370	238		or	120/240		
	1050	24"	26"	16"	440	285.6		480	or		
1400	24"	26"	16"	460	380.8		120/277				
2000	24"	26"	16"	600	544						

The *Defender Mini* provides the simplicity and reliability that is critical when providing an alternative source of power to any environment. Easy installation ...”simplicity”...connect the Mini to the emergency circuit(s) and everything is backed up...”reliability”...during a power outage. All lighting connected to the Mini will simply continue to operate at “full light output”. DSPM Watchdog© software keeps your environment safe while self-diagnostics help maintain equipment to a high standard. Superior surge suppression assures the highest quality of power being delivered to all loads, all the time. Equipment and lamp life are maximized.

We sincerely hope you never experience a real emergency, but if you do, you deserve the **security, safety and peace of mind** that the *Defender Mini* 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:

DMINI - 1050 - 208/120 - OCB/120/3 NOF120/1 - 90

Description of example:

(1050 Watt, 208 Voltage In, 120 Voltage Out, 3 Output 120 Voltage Circuit Breakers, 1 Normally Off Output Circuit, 90 minute run time)

DMINI	FAMILY	POWER RATING	VOLTAGE ¹	OPTIONS	TIME ³
		VA/W	Input/Output	Input/Output	Minutes
		350	120/120	240/120-240	5
		525	120/208	240/120-277	10
		700	120/277	277/120	15
		750	120/480	277/208	20
		875	120/120-240	277/277	25
		1050	120/120-277	277/480	30
		1400	208/120	277/120-240	45
		2000	208/208	277/120-277	60
			208/277	480/120	90
			208/480	480/208	120 (Standard)
			208/120-240	480/277	180
			208/120-277	480/480	240
			240/120	480/120-240	
			240/208	480/120-277	
			240/277		
			240/480		
				ECM120 - 120V Environmental control module ² /qty	
				ECM277 - 277V Environmental control module ² /qty	
				NOF120 - Normally OFF output circuit / qty	
				NOF277 - Normally OFF output circuit / qty	
				NOH120 - Normally OFF "Hold ON"/qty	
				NOH277 - Normally OFF "Hold ON"/qty	
				OCB - 20 Amps output circuit breakers / voltage / quantity	
				EPO - Emergency power off	
				RSSP - Remote Indicator Panel	
				SNMP - SNMP Card	
				FAX - Fax Modem	
				FC - Form C Contacts	
				SRM - Seismic rated bracket	
				WB - Wall mounted bracket	
				STUM - Onsite start-up	
				IDB - Internal dimmer bypass	
				EMB - External maintenance bypass switch	
				EW - 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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